



5/S



SAN FRANCISCO  
PUBLIC LIBRARY

GOVERNMENT INFORMATION CENTER  
SAN FRANCISCO PUBLIC LIBRARY

REFERENCE BOOK

*Not to be taken from the Library*

JUN 28 1985

SAN FRANCISCO PUBLIC LIBRARY



3 1223 90119 7716



# ELECTRICAL CODE

With amendments to and including February 1, 1947



## PART II

---

### Chapter III of San Francisco Municipal Code



*Revised under the direction of*  
JOHN R. McGRATH, Clerk of the Board of Supervisors



Digitized by the Internet Archive  
in 2015

## CHAPTER III

### ELECTRICAL CODE

- Article 1. Electrical Inspection.
- Article 2. Regulation for Sale of Electrical Material.
- Article 3. Electric Signs.
- Article 4. Regulations for Erection of Poles and Electric Wires.
- Article 5. Theatres, Moving Picture Houses and Places of Public Assembly.
- Article 6. Underground Districts.
- Article 7. Miscellaneous Provisions.

#### ARTICLE 1

#### ELECTRICAL INSPECTION

- Sec. 1. Definitions.
- Sec. 2. Enforcement.
- Sec. 3. Registration.
  - (a) Exemption from registration.
- Sec. 4. Registration classifications.
  - (a) Master electrician.
  - (b) Specialty electrician.
  - (c) Plant owner.
- Sec. 5. Plant survey.
- Sec. 6. Plant owner to report employees.
- Sec. 7. Unlawful work—Plant owners.
- Sec. 8. Examination for competency.
  - (a) Exemption from examination.
  - (b) Cancellation of certificate upon death.
  - (c) Sale, etc., of certificate prohibited—Exception.
- Sec. 9. Examination procedure.
- Sec. 10. Issuance of certificate.
- Sec. 11. Forfeiture of examination fee—Eligibility after failure.
- Sec. 12. Personnel of examining board.
  - (a) Duties of examining board.
  - (b) Compensation of examining board members.
- Sec. 13. Registration.
  - (a) Renewal of registration certificates.
  - (b) Expiration of registrations.
  - (c) Registration fees.
  - (d) Deposit.
  - (e) "Electrical deposit fund."
  - (f) Return of deposit.
  - (g) Issuance and revocation of registrations.
  - (h) Unlicensed installations prohibited.
  - (i) Fee for reinstatement.
  - (j) Unlawful uses of registration.
- Sec. 14. Permit.
  - (a) Form of application.
  - (b) Permit fees to be paid in advance.
  - (c) Permit holder to be contractor in fact.
  - (d) Permit to owner.
  - (e) Permit to owner, not to issue, when.
  - (f) Correction of defective work.
  - (g) Permit to be posted.
  - (h) Illegal use of permit.
  - (i) Rights of public utilities.
  - (j) Right to cancel permits.
- Sec. 15. Electrical work, unlawful to conceal.
- Sec. 16. Certificate of inspection and approval.
- Sec. 17. Current, unlawful use of.
  - (a) Current, temporary use of.
- Sec. 18. Existing wiring, unlawful to disturb.
- Sec. 19. Penalty for failure to rectify complaints.
- Sec. 20. Right of entry.
- Sec. 21. Inspection of existing installations.
- Sec. 22. Condemned installations, right to disconnect.
- Sec. 23. Standards required.
- Sec. 24. Rules, regulations and standards for electrical and fixture work.
- Sec. 25. Non-liability of city for damages.

DOCUMENTS D  
SAN FRANCISCO  
PUBLIC LIBRARY

\*352

5a52

194

Sec. 26. Exemptions.

Sec. 27. Permit fees.

Sec. 28. Penalty for installing electrical work without a permit.

Sec. 29. Deposits of moneys received.

**SEC. 1. Definitions.** The following words or phrases, whenever used in this Article, unless the context clearly requires a different meaning, shall be given the meaning hereinafter in this section ascribed to them and shall be construed in accordance with such meaning and definition:

"Person" shall include firm, corporation or co-partnership. Masculine gender shall include feminine gender. Singular shall include plural.

"Electrical Work" shall mean and include the placing, installing, erecting, or connecting of any electrical wires, fixtures, appliances, apparatus, raceways, conduits or conductors, or any part thereof which shall operate at more than twenty-five (25) volts or which generate, transmit, transform or utilize more than fifty (50) watts; provided electrical work as herein defined shall not mean or include maintenance, repair or operation of electrical apparatus or minor repairs and replacement.

"Fixture Work" shall mean and include the hanging, placing or installing of any electrical lighting fixture or the connection of same to electrical circuits or any part thereof, already done or installed, whether as original work, alterations or repairs.

"Maintenance Work" shall mean the keeping in repair and operation of any and all existing electrical installations, apparatus, and equipment, but does not include the installation of additional electrical work, electrical equipment, or electrical apparatus.

"Department" shall mean the Department of Electricity of the City and County of San Francisco.

"City and County" shall mean the City and County of San Francisco.

"Chief" shall mean the Chief of the Department of Electricity of the City and County of San Francisco.

**SEC. 2. Enforcement.** The Inspection Bureau of the Department of Electricity shall be responsible for the enforcement of this Article.

**SEC. 3. Registration.** Every Master Electrician, Specialty Electrician and every Plant Owner, before doing or installing any electrical work or fixture work or causing the same to be done or installed in, on or about any building or structure in the City and County of San Francisco, shall be registered with the Department and obtain a Certificate of Registration. Each registration shall be renewed on or before January 2, of each year, so long as he or it shall continue to do or install or cause to do or install any electrical work or fixture work.

(a) **Exemption From Registration.** Nothing in this Article shall be construed as requiring the issuance of Certificates of Registration as Master Electrician, Specialty Electrician or Plant Owner to any person, firm or corporation operating as a public utility as defined in the Public Utility Act of 1915, where the electrical work is incidental or necessary to the operation or conduct of the business of such public utility, or the issuance of such certificates to any public utility's affiliate, associate, subsidiary or employee thereof, engaged exclusively in such electrical work for such public utility.

**SEC. 4. Registration Classifications.** There shall be three (3) classes of registration designated as follows:

(a) **Master Electrician.** Master Electrician shall include and mean every person, firm or corporation installing or causing to be installed or done under his or its supervision any electrical or fixture work as hereinbefore defined, except as classified under Specialty Electrician or Plant Owner.

(b) **Specialty Electrician.** Specialty Electrician shall include and mean every person, firm or corporation doing or installing or causing to be done or installed under his or its supervision any special type of electrical or fixture work that is pertinent to the particular business that such person, firm or corporation is engaged in, except as classified under Master Electrician and Plant Owner. Specialty Electrician shall mean and include every person, firm or corporation that contracts for the installation of electrical or mechanical equipment, apparatus or electrical fixtures, and the electrical installation by said person, firm or corporation is necessary for the proper installation or functioning of said equipment, apparatus or electrical fixtures.

(c) **Plant Owner.** Plant Owner shall mean and include every person, firm or corporation doing or installing or causing to be done or installed under his or its supervision, any electrical or fixture work, as hereinbefore defined, in any apartment



house, hotel building or office building by means of electricians directly and permanently employed by said person, firm or corporation, for the purpose of performing said electrical or fixture work in any apartment house, hotel building or office building which he or it operates as owner or lessee.

**SEC. 5. Plant Survey.** Before any Plant Owner shall be registered, as provided for in this Article, it shall be the duty of the Chief to first make a survey of all existing electrical equipment and electrical installation in the premises occupied by said Plant Owner, to determine whether or not said Plant Owner is entitled to a Certificate of Registration. No such Certificate of Registration shall be granted by the Chief to any person, firm or corporation whose premises or electrical installation does not warrant a permanently employed maintenance electrician.

**SEC. 6. Plant Owner to Report Employees.** After a Plant Owner has become registered with the Department, said Plant Owner shall keep the Department advised of the names and addresses of all employees doing or causing to be done, any electrical work or fixture work. Employees doing electrical work or fixture work for a Plant Owner are not required to pay a registration fee or pass an examination.

**SEC. 7. Unlawful Work—Plant Owners.** It shall be unlawful for a Plant Owner to do or cause to be done any electrical or fixture work except under the following conditions:

(1) Such electrical or fixture work is installed by the employees registered as provided for in Section 6 of this Article.

(2) Such electrical work or fixture work is installed in accordance with the provisions of this Article, and all other rules and regulations promulgated under authority thereof.

(3) Such electrical or fixture work done or installed for a tenant or lessee in a building owned or operated by a Plant Owner shall be done without cost to said tenant or lessee.

**SEC. 8. Examination for Competency.** Before any Certificates of Registration shall be granted by the Chief to any person, firm or corporation as a Master Electrician, or Specialty Electrician, he shall as otherwise provided for in this Article, undergo and pass an examination as shall test his ability to do and install electrical work or specialty electrical work, as the case may be, and direct the doing and installation of said work by other persons.

(a) **Exemption from Examination.** No person, firm or corporation holding an uncancelled or unexpired Certificate of Registration as a Master Electrician or Specialty Electrician, will be required to undergo or pass an examination.

(b) **Cancellation of Certificate Upon Death.** In the event of the death of a person holding a Certificate of Registration as a Master Electrician or Specialty Electrician, said Certificate of Registration shall immediately become cancelled.

(c) **Sale, etc., of Certificate Prohibited—Exception.** It shall be unlawful for any person, firm or corporation to sell, assign or transfer any Certificate of Registration as Master Electrician or Specialty Electrician, to any person, firm or corporation other than the partner of the firm, or the director of the corporation to which the Certificate of Registration was originally issued.

**SEC. 9. Examination Procedure.** The examinations for Master Electricians and Specialty Electricians shall be conducted by an Examining Board and shall be held in the offices of the Department not more than thirty (30) days after date of filing of an application therefor, which application shall be accompanied by a fee of Twenty (\$20.00) Dollars for a Master Electrician or Specialty Electrician. Applications for examinations for other types of registrations of electrical equipment operators not covered in this section, but in other provisions of law pertaining thereto, shall have their applications accompanied by a fee of Ten (\$10.00) Dollars. The applicant shall be given notice of the time and place of the examination, to be held pursuant to his application by a written notice thereof mailed to him at the address given in his application, postage prepaid, at least five (5) days before the date of examination. The Examining Board shall hold its meeting within thirty (30) days after the date said applicant takes his respective examination.

**SEC. 10. Issuance of Certificate.** When an applicant for an examination either as a Master Electrician or Specialty Electrician shall have taken and passed his respective examination to the satisfaction of the Chief, a Certificate of Competency as a Master Electrician or Specialty Electrician, as the case may be, shall be issued by the Chief. Provided that no person, firm or corporation holding an uncancelled and unexpired Certificate of Registration either as a Master Electrician or Specialty Electrician issued to him or it under any existing law of the City and County of San Francisco, shall be required to undergo and pass such examination.

**SEC. 11. Forfeiture of Examination Fee—Eligibility After Failure.** In the event that the applicant for examination either as a Master Electrician or Specialty Electrician shall have taken and failed to pass his respective examination, the examination fee shall be forfeited, no moneys shall be refunded to him and said applicant will not be eligible to take another examination until ninety (90) days after the date of the last examination.

**SEC. 12. Personnel of Examining Board.** The Board of Examiners shall consist of the Chief of the Department of Electricity and four (4) other members appointed by said Chief, consisting of an electrical engineer of the Industrial Accident Commission of the State of California, an electrical engineer of a public utility, a Master Electrician, Journeyman Electrician, or a Motion Picture Projectionist. The members of the Board, by their experience and training shall be qualified to pass upon the fitness of the applicants for registration as Master Electricians or Specialty Electricians. Members shall hold office for a period of one (1) year, unless removed for cause. The Chief shall preside at all meetings. In case of the necessary absence of any one member of the Board of Examiners, the Chief may make a temporary appointment of a substitute. All vacancies occurring on the Board of Examiners shall be filled by the Chief. Any member of the Board of Examiners may be removed by the Chief for malfeasance in office, incapacity or neglect of duty.

(a) **Duties of Examining Board.** The duties of the Examining Board shall be to hold examinations at a stated time for the benefit of all applicants who desire to be registered as Master Electricians or Specialty Electricians; to correct such examination papers and check experience vouchers in order to determine the exact qualifications of the applicants.

(b) **Compensation of Examining Board Members.** For conducting the examinations of Master Electricians or Specialty Electricians, each member of the Examining Board, with the exception of the Chief, shall receive from the Treasurer of the City and County of San Francisco from the Twenty (\$20.00) Dollar examination fee paid by each applicant for a Master Electrician's or Specialty Electrician's Examination, the following compensation: From the Twenty (\$20.00) Dollar fee paid by the first applicant, the members of the board shall each receive Four (\$4.00) Dollars. From the Twenty (\$20.00) Dollar fee received from each applicant in excess of one, each board member shall receive Two (\$2.00) Dollars. Such compensation shall cover the examination of applicants, the grading of papers, and all other work incidental to the examination of applicants for registration. The members of the Board of Examiners shall receive no pay for any meeting at which no examination is held, and no member of the Board of Examiners shall receive compensation for any meeting he fails to attend.

**SEC. 13. Registration.** It shall be unlawful for any person, firm or corporation to engage in, conduct, contract for, or carry on the business of installing or altering electrical work or fixture work in, on or about any building or structure in the City and County of San Francisco, or advertise or display a sign or otherwise hold himself or itself out to the public as engaging in, conducting or carrying on such business, unless such person, firm or corporation is the holder of a Master Electrician's Certificate or Specialty Electrician's Certificate duly granted to him as provided for in this Article.

(a) **Renewal of Registration Certificates.** Certificates of Registration issued to Master Electricians, Specialty Electricians and Plant Owners shall be renewed on or before the first calendar day of each year.

(b) **Expiration of Registrations.** Unless Certificates of Registration are renewed within thirty (30) days after the date of expiration of said certificates, said certificates shall become void and the holder of same shall be required to take a new examination and pay the same examination fees and registration fees as a new applicant, provided, however, that this shall not apply to a member of the armed forces of the United States, or the State of California, during time of war or during any emergency lawfully declared by the President of the United States, who at the time of entering aforesaid armed forces was a bona fide holder of an unexpired Certificate of Registration, and who makes application for a renewal of his Certificate of Registration within ninety (90) days from the date of receiving an honorable discharge or certificate of honorable active service.

(c) **Registration Fees.** Before any Master Electrician, Specialty Electrician or Plant Owner shall become registered as provided for in Section 10, he shall pay the following fees to cover the cost of handling said registrations, the cost of checking

plans and specifications and the rendering of other services necessary for the correct installation and approval of electrical and fixture work:

Classification of Registration	Fees for 1st Year	Fees for Annual Renewal
Master Electrician .....	\$100.00	\$50.00
Specialty Electrician .....	100.00	50.00
Plant Owner .....	10.00	10.00

Where the Registration Certificate is applied for after the first day of July of each year, the fees for registration as a Master Electrician or Specialty Electrician shall be one-half ( $\frac{1}{2}$ ) of the amount specified herein.

(d) **Deposit.** Every person, firm or corporation obtaining a Certificate of Registration as a Master Electrician or Specialty Electrician shall upon issuance of said certificate, deposit with the Department the sum of One Hundred (\$100.00) Dollars, in cash as a guarantee for the payment of all fees for permits, inspections or penalties that may become due and be owed by such person, firm or corporation to the City and County of San Francisco and as a further guarantee that all electrical work, fixture work or specialty electrical work done under authority of said Certificate of Registration will be done in compliance with all the provisions and requirements of all ordinances, rules and regulations of the City and County of San Francisco applicable thereto.

(e) **"Electrical Deposit Fund."** The Department shall receive the deposits aforesaid and shall cause the same to be placed in the City and County Treasury in a special trust fund to be known as the "Electrical Deposit Fund," which fund is hereby established.

(f) **Return of Deposit.** When a holder of a Certificate of Registration either as a Master Electrician or Specialty Electrician having made a cash deposit as in this Article provided, shall have ceased to carry on all business and perform any and all work for which said Certificate of Registration is by this Article required, and when all work under Permits issued to such person, firm or corporation shall have been completely inspected and approved, and when all fees and other charges due and owing to the City and County of San Francisco by said person, firm or corporation shall have been paid, and if no charges shall be pending against said person, firm or corporation for any violation of any existing laws, rules and regulations of the City and County of San Francisco pertaining to electrical work, fixture work or specialty electrical work, then said person shall be entitled to have returned to him the said deposit of One Hundred (\$100.00) Dollars, or such portion thereof as may then remain to his credit, after deduction therefrom, as in this Article provided.

(g) **Issuance and Revocation of Registrations.** The Chief shall have the power to issue all Certificates of Registration provided for in this Article. When a Master Electrician, Specialty Electrician or Plant Owner does or installs electrical work or fixture work not in accordance with the approved standards or any existing laws of the City and County of San Francisco or rules and regulations adopted and promulgated under authority thereof and which is dangerous to life or property, and after receiving written notice from the Department to correct such complaints, continues to do or install electrical work not in conformity with the provisions of this Article and rules and regulations adopted and promulgated under authority thereof, he shall have his or its registration suspended, cancelled or annulled. The Chief shall have the power to cancel, suspend or annul Certificates of Registration under the provisions of this Article.

(h) **Unlicensed Installations Prohibited.** It shall be unlawful for any Master Electrician, Specialty Electrician or Plant Owner whose Registration Certificate has been suspended, cancelled or annulled to do or install electrical work or fixture work until he or it has been reinstated by the Chief, and a new Certificate of Registration issued to him.

(i) **Fee for Reinstatement.** If a certificate of registration is cancelled or annulled, the applicant for reinstatement shall pay the same fee for reinstatement as if not registered before.

(j) **Unlawful Uses of Registration.** It shall be unlawful for any Master Electrician, Specialty Electrician or Plant Owner to permit its name or Certificate of Registration to be used by any other person, firm or corporation for the purpose of obtaining a permit from the Department for the doing or installing of electrical or fixture work, which is not to be done or installed by the Master Electrician, Specialty Electrician or Plant Owner obtaining such permit, and for the violation of the provisions of this section, in addition to any other penalties provided for, the

Certificate of Registration of the Master Electrician, Specialty Electrician or Plant Owner so violating such provisions shall be suspended, cancelled or annulled.

**SEC. 14. Permit.** Every person, firm or corporation, shall, before doing or installing or causing to be done or installed, any electrical or fixture work in, on or about any building or structure in the City and County of San Francisco, file with the Department on a form to be furnished by it, a written application for a permit to do such work and obtain a permit therefor.

(a) **Form of Application.** The form of application in addition to other matters required by the Department shall contain a brief specification and plans showing the nature and kind of electrical work to be done or installed and the location and description of the premises wherein and whereon such electrical or fixture work is to be done or installed, provided that for buildings of residential occupancy, wherein the electrical load is not in excess of twenty-three (23 K.W.) kilowatts the filing of plans and specifications shall not be required.

(b) **Permit Fees to Be Paid in Advance.** At the time the application for a permit is filed, the estimated fees for making an inspection of the electrical or fixture work to be done or installed shall be paid. No permit shall be issued until such application is filed and payment made. Such permit shall be issued by the Department only to a Master Electrician, Specialty Electrician, Plant Owner or Owner.

Before a permit shall be issued to any Master Electrician or Specialty Electrician for the installation of electrical or fixture work, said Master Electrician or Specialty Electrician shall pay any and all permit fees charged to his or its account.

(c) **Permit Holder to Be Contractor in Fact.** No person, firm or corporation registered as a Master Electrician or Specialty Electrician shall file an application for a permit to do or install or cause to be done or installed, any electrical or fixture work in, on or about any building or structure in the City and County of San Francisco, unless said person, firm or corporation is in fact the contractor for such work. The person, firm or corporation installing the electrical or fixture work shall contract directly with the person, firm or corporation owning, leasing or renting the building or structure in or on which the electrical or fixture work is done or installed. The Chief shall have the power to cancel any permit found by him to be issued contrary to the provisions of this section.

(d) **Permit to Owner.** A permit for the installation of electrical or fixture work in, on or about any building used or occupied as a dwelling in the City and County of San Francisco shall be issued by the Department to the Owner of said building, provided said electrical or fixture work is done by such Owner, or husband, brother or son of such Owner.

(e) **Permit to Owner, Not to Issue, When.** A permit for the installation of electrical or fixture work shall not be issued to an Owner unless the person who is to install the electrical work is named on the permit and said named person shall appear before the Department and show by answering such questions as may be asked by the Chief or his representative that he has sufficient knowledge to do or install such electrical or fixture work.

(f) **Correction of Defective Work.** If it is apparent from the character of the work installed under a permit to Owner, that the Owner or person named in the permit is not qualified or competent to do or install the electrical or fixture work, the Department may require such portion of the work that is in violation of this Article to be changed, altered or repaired by a Master Electrician.

(g) **Permit to Be Posted.** When a permit is issued by the Department, said permit shall be conspicuously posted on the premises wherein or whereon the electrical work therein described is to be done or installed.

(h) **Illegal Use of Permit.** No person, firm or corporation, registered as a Master Electrician or Specialty Electrician shall file an application for a permit to do or install any electrical or fixture work unless such person, firm or corporation has a contract to do or install the same, or intends to do or install such electrical work on his or its own behalf and for his or its account. The Chief shall have the power to cancel any permit found by him to be contrary to the provisions of this section.

(i) **Rights of Public Utilities.** Nothing in this Article shall be construed as requiring any person, firm or corporation operating as public utility to file any application for permits to do or have inspection made of, any electrical or fixture work necessary for the generation and supply of electrical energy to the public as a public utility, and for the generation and supply of electrical energy for street railway purposes, provided, however, that this exemption shall not relieve such pub-

lic utility from the necessity of filing applications for any other electrical work or having the same duly inspected and paying the fees therefor.

(j) **Right to Cancel Permits.** The Chief shall have the power to cancel permits where the electrical or fixture work therein has not been commenced within sixty (60) days from and after the date of issuance of the permit therefor, and in the event of such cancellation of such permit the fees paid therefor shall be credited to the account of the person, firm or corporation paying the same and may be treated as a payment equal to the estimated fees payable on any subsequent application or applications for a permit to do electrical or fixture work.

**SEC. 15. Electrical Work, Unlawful to Conceal.** It shall be unlawful to conceal or cause to be concealed any electrical work in, on or about any building or structure before the same has been inspected by the Department and a tag indicating its approval posted on such building or structure wherein or whereon such electrical work has been done or installed.

**SEC. 16. Certificate of Inspection and Approval.** Every person, firm or corporation doing or installing or causing to be done or installed, any electrical work or fixture work in, on or about any building or structure in the City and County of San Francisco shall notify the Department when the same is completed. The Department shall then inspect the same and if done in compliance with all the State laws, and rules or regulations as promulgated under the authority of this Article, there shall be issued by the Department to said person, firm or corporation doing or installing or causing to be done or installed, such electrical or fixture work, a certificate of inspection and approval, which shall contain the date of approval and in concise terms specify the electrical work thus approved. Said certificate shall be issued only for the electrical work for which a permit has been issued.

**SEC. 17. Current, Unlawful Use of.** No current shall be supplied to any electrical or fixture work in, on or about any building or structures in the City and County of San Francisco unless a certificate of inspection and approval has been issued. When the electrical and fixture work has been completed to the satisfaction of the Department, the Department shall issue and post on the premises wherein or whereon the electrical or fixture work is done or installed, a Green Tag, Form A-22, which will permit the connection of said electrical or fixture work for which a permit has been issued.

(a) **Current, Temporary Use of.** The Department is hereby empowered and authorized to permit and approve the temporary use of electrical current to any person, firm or corporation, provided that no temporary use of electrical current shall be permitted in any case where such use shall be a hazard to life or property, and further provided that no such temporary use of electrical current shall be permitted for a longer period that is reasonably necessary to comply with the provisions of this Article, and such period of time may be definitely fixed by the Department at the time of granting said permission.

**SEC. 18. Existing Wiring, Unlawful to Disturb.** In any building or structure within the City and County of San Francisco, wherein or whereon electrical work has been done or installed, it shall be unlawful for any person, firm or corporation to change, alter, or extend any electrical work or part thereof after the inspection of same, without notifying the Department in writing and obtaining a permit therefor. Such changes, alterations or extensions shall be inspected and approved before any current shall be supplied thereto.

**SEC. 19. Penalty for Failure to Rectify Complaints.** The failure and neglect of a Master Electrician or Specialty Electrician to correct, obviate or remove any fault, error or deficiency in the doing or installing of any electrical or fixture work not in accordance with the provisions of this Article or rules and regulations adopted and promulgated under authority hereof, within ten (10) days after the receipt of a written notice from the Department describing said complaints, shall be deemed sufficient cause for the suspending or cancelling any Certificate of Registration issued by the Department and held by such person, firm or corporation. In addition to the above, the Department shall charge a fee of One Dollar and Fifty cents (\$1.50) for each hour or fraction thereof that the Inspector of the Department spends in inspecting electrical or fixture work that is not corrected within the specified ten (10) day period.

**SEC. 20. Right of Entry.** Every person, firm or corporation or association or agent thereof, or agent acting for and in behalf thereof, owning, leasing, operating or in possession of any building or structure within the City and County of San Francisco shall permit the Inspector of the Department to enter such building or structure as often as it shall be deemed necessary by the Department for the pur-

pose of inspecting the electrical or fixture work theretofore done or installed in, on or about such building or structure, and it shall be unlawful for any owner, occupant or lessee of any premises wherein or whereon any electrical work has been done or installed and is being used or is in use, to prevent or interfere with any such Inspector in the discharge of his duties under this Article, provided, however, that said Inspector shall upon request of the owner, occupant or lessee of said premises exhibit his authority to make such inspection.

**SEC. 21. Inspection of Existing Installations.** If the Chief or any Inspector of the Department find that any installation of electrical or fixture work is defective or not in accordance with the provisions of this Article or any rules and regulations adopted and promulgated under authority thereof or is dangerous to life or property, the same shall be condemned and the use thereof forbidden until the same has been corrected.

**SEC. 22. Condemned Installations, Right to Disconnect.** Upon failure of any person, firm, corporation or association owning, leasing or in possession of and using any building or structure in the City and County of San Francisco to correct or cause to be corrected such defective and condemned electrical or fixture work or any part thereof, for a period of ten (10) days after a receipt of a written notice thereof, from the Department to do so, which notice shall specify the corrections to be made, the Chief shall forthwith direct the person, firm, corporation or association or agent thereof, or person acting for and on behalf thereof, who shall be supplying electrical current or power to such electrical work or part thereof to disconnect the supply thereof. It shall be unlawful for any such person, firm, corporation or agent thereof, or agent acting for and in behalf of any of them and so supplying such current or power to furnish or renew said supply of current or power without permission of the Chief to do so.

**SEC. 23. Standards Required.** No electrical or fixture work shall be installed or constructed which is dangerous to life or property, and all electrical and fixture work within the City and County of San Francisco shall be done, installed and constructed in conformity with the rules and requirements of the National Electric Code as approved by the American Standards Association, and the Electrical Safety Orders, as approved by the Industrial Accident Commission of the State of California, except as such rules and requirements are modified or supplemented as provided for in other sections of this Article.

**SEC. 24. Rules, Regulations and Standards for Electrical and Fixture Work.** The Chief is hereby given power and it shall be his duty as soon as practicable, to hold a hearing or hearings on ten (10) days notice of the time and place thereof, given by publication in the then official newspaper of the City and County of San Francisco, to determine generally accepted standards and methods governing electrical and fixture work, in modification of or supplementary to the rules and regulations of the National Electrical Code and the Electrical Safety Orders. As soon as he shall have ascertained the same and made his findings thereon, such modifications thereof and supplementary rules and regulations shall be set forth and adopted by him in a report in the form of rules and regulations governing electrical and fixture work, which rules and regulations shall not be contrary to or inconsistent with any law of the State of California or ordinance of the City and County of San Francisco, and shall forthwith upon adoption be posted in the office of the Department of Electricity, and notice indicating such adoption shall be published for a period of five (5) days in the then official newspaper of the City and County of San Francisco. On the first day after the completion of the publication of the notice aforesaid, the said rules and regulations shall take effect as the standards for which all persons, firms or corporations doing, installing or constructing electrical or fixture work shall conform. No certificate of inspection and approval provided for in this Article shall be issued unless the electrical or fixture work therein described shall conform with the rules and regulations in effect at the time the permit therefor is issued. The Chief shall hold a hearing or hearings at such times as he may deem necessary, to ascertain and determine what changes have been made in the standards and methods adopted supplementary to the National Electric Code and the Electrical Safety Orders, which hearing or hearings shall be held only on the giving of a like notice as in hearings hereinabove provided for. If the Chief shall find that the accepted standards and methods adopted as supplementary thereto have been changed, he shall make and adopt such changes or modifications thereof as amendments, additions or repeals of the then existing rules and regulations, which amendments, additions or repeals shall forthwith upon their adoption be posted in the office of the Department of Electricity, and notice indicating such



adoption and posting be published in the then official newspaper of the City and County of San Francisco for a period of five (5) days after and shall take effect on the first day after the completion of publication of notice as aforesaid.

**SEC. 25. Non-Liability of City for Damages.** This Article shall not be construed to relieve from or lessen the liability of any person, firm or corporation owning, operating or installing any electrical or fixture work, or causing the same or any part thereof to be done, for damages to anyone injured by any defect therein, or any negligent doing or installation thereof, nor shall the City and County of San Francisco or any agent thereof be held liable therefor by reason of any inspection herein authorized and made by reason of authority or by reason of the certificate of inspection and approval issued by the Department.

**SEC. 26. Exemptions.** Nothing in this Article shall be construed in any way to regulate the installation of wires, fixtures, appliances, construction or equipment of any telephone, telegraph, district messenger systems or otherwise protective signal systems operating at not more than one hundred sixty (160) volts, and the same are hereby exempt from any of the provisions of this Article, except that approved protectors or fuses shall be provided and used where such wires enter or leave any building or structure where such circuits are so placed as to be liable to accidental contact with electric light, power or any other wires operating at potential exceeding two hundred fifty (250) volts, nor shall this Article be construed as in any way to regulate the connecting or disconnecting of any temporary current measuring device, which is hereby exempted from all the provisions of this Article.

**SEC. 27. Permit Fees.** Every person, firm or corporation shall pay the Department before the permit provided for in this Article is issued, the following fees or so much thereof as shall be applicable to the work done and inspected and approved, viz.:

- |  |        |
|--|--------|
| (a) For each lighting outlet, switch, or convenience outlet receptacle.....  | \$ .15 |
| (b) For each lighting outlet used for outline, coves, border lights or foot-lighting .....   | .05    |
| (c) For each lighting outlet used for panelled lighting (lighting outlets installed behind glass panels) .....   | .15    |
| (d) For each transformer not over 500 volt-amperes used on high voltage decorative, neon outline, or interior neon display signs.....  | .25    |
| For each transformer over 500 volt-amperes used as stated above.....   | .50    |
| (e) For each lighting fixture connection.....  | .15    |
| (f) For each circuit, except lighting convenience receptacle circuits.....   | .50    |
| (g) For the connection of each motor (including control equipment), generator, transformer, or other devices consuming current up to and including 15 kilowatts, K.V.A., horsepower, or fraction thereof, per kilowatt, K.V.A., horsepower, or fraction thereof.....   | .25    |
| Over 15 kilowatts, K.V.A., horsepower, or fraction thereof, per connection .....   | 4.00   |
| (h) For the connection of each heating device including protection equipment, per kilowatt or K.V.A., or fraction thereof.....   | .10    |
| (i) For each screw base lamp receptacle with terminal fittings inside of outlet box or fitting.....  | .05    |
| (j) For temporary wiring and connecting equipment up to and including 10 kilowatts, K.V.A., or horsepower.....   | 1.00   |
| Over 10 kilowatts, K.V.A., horsepower.....   | 2.50   |
| (k) Providing, however, as a minimum the total amount of any bill of fees to be charged shall not be less than One (\$1.00) Dollar.  |        |
| (l) For the inspection of any electrical work for which no fee is herein prescribed, and for the inspection of temporary installation for decorative advertising, theatrical or similar purposes, there shall be charged to and paid by the person, firm or corporation, or agent thereof, or person acting for and on behalf of either thereof, who shall install and do such work or cause the same to be done or installed, a fee not to exceed One Dollar and Fifty Cents (\$1.50) an hour for the time actually consumed by each inspector making such inspection, before certificate of inspection and approval shall be issued. |        |

**SEC. 28. Penalty for Installing Electrical Work Without a Permit.** If any person, firm or corporation, or agent thereof, or any person acting for and on behalf of either thereof, shall, after notice thereof has been given in writing by the Department and an opportunity to be heard, be found to have done or installed any electrical or fixture work without first applying for a permit therefor, in violation

of the provisions of this Article, such person, firm or corporation or agent thereof, or person acting for and on behalf of either thereof, shall pay to the Department, for the inspection of such electrical or fixture work, before a certificate of inspection and approval thereof shall be issued, fees equal to five (5) times the amount designated in Section 27 of this Article, as shall be applicable to the work done, inspected and approved, provided, however, that the minimum bill of fees to be charged and paid for any inspection under the provisions of this section shall be Ten (\$10.00) Dollars.

**SEC. 29. Deposits of Moneys Received.** It shall be the duty of the Chief to turn all moneys received under this Article in to the Treasury of the City and County of San Francisco. If payment made at the time of application for a permit shall be insufficient in amount to pay the fees for inspection, no certificate of inspection and approval shall be issued until the balance of such fees shall be paid in full.

## ARTICLE 2

### REGULATION FOR SALE OF ELECTRICAL MATERIAL

Sec. 52. Electrical materials for sale, etc., approval of, to be first determined.

Sec. 53. Identification symbols, etc., required and prohibiting alterations, etc., of said symbols.

Sec. 54. Enforcement and regulations by Chief of Department of Electricity.

Sec. 55. Provisional approval by Chief of Department of Electricity.

Sec. 56. Penalty.

**SEC. 52. Electrical Materials for Sale, Etc., Approval of, to Be First Determined.** Every person, firm or corporation, before selling, offering for sale, or exposing for sale any electrical material, device or appliance designed for attachment to or installation in or on any electrical circuit or system for light, heat or power, shall first determine if such material, device or appliance is approved for installation and use in the City and County of San Francisco in accordance with the provisions of this Article; and it shall be unlawful for any person, firm or corporation, or any principal, agent or employee thereof, to sell, offer for sale, or expose for sale any such material, device or appliance which does not comply with all the provisions of this Article.

**SEC. 53. Identification Symbols, Etc., Required and Prohibiting Alterations, Etc., of Said Symbols.** All electrical devices or appliances including materials used in installation thereof, or in the installation of the necessary wiring for the utilization of electricity for light, heat or power, shall be only those which are approved for the purpose intended, and the maker's name, trade-mark or other identification symbol shall be placed thereon, together with such other markings giving voltage, current, wattage or other appropriate ratings as may be necessary to determine the purpose and use for which intended; and it shall be unlawful for any person, firm or corporation to remove, alter, change or deface the maker's name, trade-mark or other identification symbol, or any of the necessary rating markings required by this Article.

**SEC. 54. Enforcement and Regulations by Chief of Department of Electricity.** The Chief of the Department of Electricity of the City and County of San Francisco is hereby authorized and empowered to enforce all of the provisions of this Article, and to make, adopt and promulgate such rules, regulations and specifications as may be necessary or useful in such determining conformity of electrical materials, devices and appliances with approved methods of construction for safety to life and property, upon which approval for sale in the City and County of San Francisco shall be based. Conformity of electrical materials, devices and appliances with standards of Underwriters' Laboratories, Inc., as approved by the American Standards Association, and other standards approved by the American Standards Association, shall be prima facie evidence that such electrical materials, devices and appliances comply with the requirements of this Article.

**SEC. 55. Provisional Approval by Chief of Department of Electricity.** The Chief of the Department of Electricity may grant "Provisional Approval" of electrical materials, devices or appliances under the following conditions:

(a) Where no standard has been prepared or adopted to which they should conform.

(b) Where no other materials, devices or appliances of similar type are regularly listed or approved.



(c) Temporary acceptance, in emergency, may be given to materials, devices and appliances not listed by Underwriters' Laboratories, Inc., provided such materials, devices or appliances have been submitted to the Laboratories for test and approval. Such temporary acceptance will ordinarily be granted for a period of ninety (90) days only.

(d) "Provisional approval" (except where no standard has been prepared or adopted to which they should conform) applies only to the particular sample so "Provisionally approved" and not to the line as manufactured, stored, sold, installed or attached, and shall be granted only for such materials, devices and appliances, which in the opinion of the Chief of the Department of Electricity are reasonably safe.

SEC. 56. **Penalty.** Any person, firm or corporation, or any principal, agent or employee thereof, violating any of the provisions of Sections 52 to 55, inclusive, of this Article shall be guilty of a misdemeanor and upon conviction thereof shall be punished by a fine of not more than Three Hundred (\$300.00) Dollars or by imprisonment in the County Jail for a period of not more than ninety (90) days, or by both such fine and imprisonment.

### ARTICLE 3

#### ELECTRIC SIGNS

- Sec. 80. Definitions.
- Sec. 81. Permit required.
- Sec. 82. Construction permit.
- Sec. 83. Number of construction permit to be given the Department of Electricity.
- Sec. 84. Permits issued to master and specialty electricians only.
- Sec. 85. Application for permit and electrical data.
- Sec. 86. No sign to be erected without permit—Exceptions.
- Sec. 87. Inspection and certificate.
- Sec. 88. Fees for permits.
- Sec. 89. Penalty for installing electrical sign or outline work without a permit.
- Sec. 90. Permit holder to be contractor in fact.
- Sec. 91. Electrical sign maintenance.
- Sec. 92. Sign maintenance work to be done by registered contractor.
- Sec. 93. Feeder or circuit required.
- Sec. 94. Removal of unauthorized electric sign.
- Sec. 95. Electrical sign construction and installation requirements.
- Sec. 96. Electric signs, shop inspection of.
- Sec. 97. Inspection to be made before installation.
- Sec. 98. Signs constructed elsewhere.
- Sec. 99. Moving of existing signs from one location to another.
- Sec. 100. Inquiry as to acceptance of certificates of inspection of signs made elsewhere.
- Sec. 101. Electric signs, portable.
- Sec. 102. Sign circuit or feeder, minimum size of.
- Sec. 103. Electric signs on exterior of buildings, connections, etc.
- Sec. 104. Sign feeders for future use.
- Sec. 105. Old signs to be removed.
- Sec. 106. Sign circuit provisions.
- Sec. 107. Number of lamps on single circuit sign.
- Sec. 108. Transformers for single circuit signs.
- Sec. 109. Wattage for single circuit.
- Sec. 110. Voltage limitations.
- Sec. 111. Transformers for secondary open circuits.
- Sec. 112. Switches.
- Sec. 113. Neon, etc., signs, disconnect switch required.
- Sec. 114. Switches, flashers, etc., to have current rating transformer.
- Sec. 115. Switches in signs, etc., to be minimum current rating.
- Sec. 116. Door switches.
- Sec. 117. Disconnect switches.
- Sec. 118. Roof sign disconnect switches.
- Sec. 119. Sign enclosures.
- Sec. 120. Gauge of metals.
- Sec. 121. Exterior enclosures to be weatherproof.
- Sec. 122. Cutouts, flashers, etc., to be enclosed in approved metal box.

- Sec. 123. Standard cutouts, etc., to be in weatherproof enclosure.
- Sec. 124. Sign and outline wiring, minimum wattage requirements.
- Sec. 125. Lampholders.
- Sec. 126. Conductors to be soldered, etc., and painted with compound.
- Sec. 127. Conductors 600 volt circuits shall be approved rubber covered.
- Sec. 128. Wireways.
- Sec. 129. Circuit conductors to be identified.
- Sec. 130. Insulated conductors to be standard.
- Sec. 131. High voltage conductors, how supported.
- Sec. 132. High voltage conductors not to be spliced.
- Sec. 133. No condensers to be used in high voltage circuits.
- Sec. 134. Electrode receptacles to be approved.
- Sec. 135. High voltage conductors not in sign, how installed.
- Sec. 136. Neon signs to be grounded.
- Sec. 137. Capacitors.
- Sec. 138. Electric signs, portable.
- Sec. 139. Electric signs, portable, secondary voltage.
- Sec. 140. Permanent signs, grounding of.
- Sec. 141. Electric signs, temporary.
- Sec. 142. Department of Electricity to make rules and regulations for installation of signs.
- Sec. 143. Time limit and failure to rectify complaints.
- Sec. 144. Permit, illegal use of.
- Sec. 145. Non-liability of city for damages.

SEC. 80. **Definitions.** The following words or phrases, wherever used in this Article, unless the context clearly requires a different meaning, shall be given the meaning hereinafter in this section ascribed to them and shall be construed in accordance with such meaning and definition:

"Person" shall include firm, corporation or co-partnership. Masculine gender shall include feminine gender. Singular shall include plural.

"Department" shall mean the Department of Electricity of the City and County of San Francisco.

"Chief" shall mean the Chief of the Department of Electricity of the City and County of San Francisco.

The word "sign" as used herein appearing alone, shall be understood to include all types of signs, sign devices, advertisements, transparencies, bulletin boards on or attached to any building, pole, structure or premises, and shall also include barber poles, beauty shop poles, and sidewalk clocks, provided, however, that the said word shall not include "billboards."

"Electric Sign" shall mean a sign whereon letters, figures or designs are formed or outlined by incandescent electric light globes, gas filled luminous tubes, or by a transparent medium illuminated by means of electric lights or gas filled luminous tubes contained within the sign. Electric lights or gas filled luminous tubes which are not an essential element of the sign proper are not classified as electric signs within the meaning of this Article, provided, however, that a sign or design installed or painted on the exterior of a building and illuminated or outlined by means of electric lights or gas filled tubes that are installed for the specific purpose of illuminating said sign or design shall be considered within the requirements of this Article.

"Interior Electric Sign" shall mean an electric sign installed within a building or structure.

"Exterior Electric Sign" shall mean an electric sign installed or attached to poles, to the exterior of a building or structure, or shall mean a sign installed or painted on the exterior walls of a building or structure and illuminated by means of electric lights or luminous gas filled tubes specifically installed for the purpose.

"Area of a Sign" is hereby defined as the product of the horizontal distance between vertical lines passing through the extremities of the sign and the vertical distance between a horizontal line passing through the highest point of a sign and a horizontal line passing through the lowest point of the sign.

SEC. 81. **Permit Required.** It shall be unlawful for any person, firm or corporation to install, place, or maintain an electric sign in, on or about any building or structure or on any pole in the City and County of San Francisco unless a permit for the installing, placing or maintaining of same is obtained from the Department of Electricity.

**SEC. 82. Construction Permit.** Every person, firm or corporation, before applying for a permit for the installing or placing of an electric sign as defined in Section 81 of this Article, shall apply to the Central Permit Bureau of the Department of Public Works for a permit for the erection of the electric sign.

**SEC. 83. Number of Construction Permit to Be Given the Department of Electricity.** After the Central Permit Bureau has issued said permit, the Department of Electricity shall be advised of the number of same before a permit shall be issued by the Department of Electricity for the installation of the electrical work pertaining to the electric sign.

**SEC. 84. Permits Issued to Master and Specialty Electricians Only.** Permits for the installation of the electric signs shall be issued only to Master Electricians or Specialty Electricians as provided for under the provisions of existing law.

**SEC. 85. Application for Permit and Electrical Data.** Application for permits for electrical signs together with all the necessary data regarding the proposed electrical construction shall be submitted to the Department of Electricity. It shall be the duty of the Department to examine such electrical data, and if the proposed sign is found to be in accordance with all existing law regarding electrical construction and installation requirements, then said Department shall issue a permit for the erection of such sign.

**SEC. 86. No Sign to Be Erected Without Permits—Exceptions.** No electric sign shall be erected unless permits therefor have been secured from both the Department of Public Works and the Department of Electricity, provided, however, that signs painted on the walls of buildings or structures and electrically illuminated or outlined shall require only a permit issued by the Department of Electricity.

**SEC. 87. Inspection and Certificate.** Upon the completion of the electrical construction and installation of an electric sign for which a permit is issued or required, as provided in this Article, the Department of Electricity shall inspect the sign and the installation of same, and if it is found to be in accordance with the requirements of existing laws, and the provisions of this Article, a Certificate of Inspection and Approval shall be issued by the Department.

**SEC. 88. Fees for Permits.** Every person, firm or corporation shall pay the Department of Electricity before the permit provided for in this Article is issued, the following fees or so much thereof as shall be applicable to the work done and inspected and approved, viz.:

The minimum charge for each exterior electric sign of twenty (20) lamps shall be.....	\$1.50
For each transformer in an exterior sign in excess of two (2).....	.50
For each group of ten (10) lamps or portion thereof in excess of twenty (20) in an exterior sign.....	.50
For each sign flasher or automatic sign or outline control device.....	1.00
For each exterior sign or outline circuit.....	.50
The minimum charge for a permit for any exterior sign or outline shall be .....	1.00
For each transformer in an interior sign installation in excess of two (2) .....	.50
For each group of ten (10) lamps or portion thereof, in excess of twenty (20), in an interior electric sign.....	.50
For each painted sign illuminated by bracket reflector lamps the minimum fee shall be.....	1.50
For each reflector bracket lamp in excess of five (5).....	.20
For each interior electric sign or outline circuit.....	.50
Temporary electric signs not in excess of five (5) transformers or fifty (50) lamp receptacles.....	1.50
For all signs in excess of the above load.....	2.50
For the purpose of computing the fees on signs or outlines having combined transformer and lamp receptacles, each transformer shall be considered equal to ten (10) lamp receptacles or portion thereof.	

**SEC. 89. Penalty for Installing Electrical Sign or Outline Work Without a Permit.** If any person, firm, corporation, or agent thereof, or any person acting for and on behalf of either thereof, shall, after notice thereof has been given in writing by the Department of Electricity, and an opportunity to be heard, be found to have done or installed any electrical sign or outline work without first applying

for a permit therefor, in violation of the provisions of this Article appertaining thereto, such person, firm or corporation, or agent thereof, or person acting for, or on behalf of either thereof, shall pay to the Department, for the inspection of such electrical sign or outline installation, before a certificate of inspection and approval thereof shall be issued, fees equal to five (5) times the amount designated in Section 88 of this Article, as shall be applicable to the work done, inspected and approved, provided, however, that the minimum bill of fees to be charged and paid for any inspection under the provisions of this section shall be Ten (\$10.00) Dollars.

**SEC. 90. Permit Holder to Be Contractor in Fact.** No person, firm or corporation registered as a Master Electrician or Specialty Electrician, as defined in existing law, shall file an application for a permit to place, install or maintain an electric sign in the City and County of San Francisco unless said person, firm or corporation is in fact the contractor for such work. The person, firm or corporation placing, installing or maintaining the electric sign shall contract directly with the person, firm or corporation owning, leasing or renting the said electric sign. The Chief shall have the power to cancel any permit found by him to be issued contrary to the requirements of the provisions of this Article.

**SEC. 91. Electrical Sign Maintenance.** Electrical sign maintenance shall mean and include the installation, replacement, or removing of gas filled illuminating tubes, gaseous tube transformers or other electrical materials used in the construction and installation of electric signs or electrical sign control devices.

**SEC. 92. Sign Maintenance Work to Be Done by Registered Contractor.** It shall be unlawful for any person, firm or corporation to do, or permit to be done under his or its supervision, any electrical sign maintenance work, as defined in Section 91 of this Article, unless said person, firm or corporation is registered with the Department of Electricity as a Master Electrician or Specialty Electrician, as provided for under the provisions of existing law.

**SEC. 93. Feeder or Circuit Required.** It shall be unlawful for any person, firm or corporation registered with the Department of Electricity to install an electric sign on any building or structure in the City and County of San Francisco, unless provisions have been made for the connection of the electric sign to an existing sign circuit or the installing of a new sign circuit shall be completed. It shall be unlawful to install any electric sign where provisions are not made for the installation of the sign circuit or feeder.

**SEC. 94. Removal of Unauthorized Electric Sign.** It shall be unlawful for any person, firm or corporation to install an electric sign on any building or structure unless said electric sign is connected to a sign circuit or feeder installed under the installation provisions of existing law. Wherever an electric sign is installed, provisions shall be made for the illuminating of said sign. The Department of Electricity shall have the power to order the removal of an electric sign from any building or structure in the City and County of San Francisco, where said sign is installed contrary to the provisions of this Article.

**SEC. 95. Electrical Sign Construction and Installation Requirements.** All electric signs, both swinging and stationary, including marques, building front and roof signs, must comply in every detail with the construction and installation requirements and rules of the San Francisco Construction Ordinances, the Electrical Safety Orders as issued by the Industrial Accident Commission of the State of California, the National Electric Code as issued by American Standards Association, and Requirements Section, Subject 48, as issued by the Underwriters' Laboratories as a Standard for Electric Signs, with such exceptions as are outlined within the provisions of this Article.

**SEC. 96. Electric Signs, Shop Inspection of.** All electric signs other than the portable types shall be inspected in the shops of the person, firm or corporation manufacturing said electric sign, in order to ascertain that all the provisions of Section 95 of this Article have been complied with. It shall be unlawful for any person, firm or corporation to enclose or conceal any electrical work in any electric sign without first securing permission from the Department of Electricity to do so.

**SEC. 97. Inspection to Be Made Before Installation.** All electric signs other than the portable type, constructed elsewhere than in San Francisco, shall be inspected in the shop of said person, firm or corporation installing the electric sign, or can be inspected on the sidewalk of the premises where said electric sign is to be installed. Under no conditions can shop inspections be made after a sign has been installed on the building or structure. Signs installed without the said shop or

sidewalk inspection shall be removed to the sidewalk in order that the shop inspection can be made.

**SEC. 98. Signs Constructed Elsewhere.** Signs constructed elsewhere than in San Francisco and bearing the label of "Underwriters' Laboratories Inspection" shall be inspected as required in Section 97 of this Article, in order to ascertain that the requirements of the San Francisco Construction Ordinances have been complied with.

**SEC. 99. Moving of Existing Signs from One Location to Another.** The Department of Electricity will permit the direct moving of existing signs from one location to another without the necessary shop inspection, providing no alterations or additions are made to the existing signs and the signs have been previously approved for installation in the City and County of San Francisco, and the Department is immediately notified relative to its previous location and the electrical load of the signs.

**SEC. 100. Inquiry as to Acceptance of Certificates of Inspection of Signs Made Elsewhere.** Before a person, firm or corporation installs an electric sign that has been manufactured elsewhere than in the City and County of San Francisco, inquiry shall be made of the Department of Electricity concerning acceptance of certificates covering the inspection of the construction of said sign.

**SEC. 101. Electric Signs, Portable.** Portable electric signs shall be installed or placed only in the interior of a building or structure and shall bear the label of the Underwriters' Laboratories, in order to insure that said portable electric sign has been constructed in accordance with the requirements of Section 48, of the Underwriters' Laboratory Standard for Electric Signs.

**SEC. 102. Sign Circuit or Feeder, Minimum Size of.** When a sign circuit or feeder is installed, the total connected load of the sign shall govern the size of the feeder or circuit conductors, but in no case shall said conductors be smaller than No. 12 B. & S. Gauge.

**SEC. 103. Electric Signs on Exterior of Buildings, Connections, etc.** Electric signs on the exterior of a building may be connected to an existing sign circuit or feeder of No. 14 B. & S. Gauge, provided the total load connected thereto does not exceed the approved capacity of the conductors.

**SEC. 104. Sign Feeders for Future Use.** Where a sign feeder is installed for a future sign installation and the load of the sign is unknown, the sign feeder or circuit shall be computed as requiring not less than ten (10) amperes on the feeder and service switches and conductors.

**SEC. 105. Old Signs to Be Removed.** When a new sign is installed on a building or structure and the feeder or circuit to the existing sign is used to supply the new sign, the old sign shall be removed from the building.

**SEC. 106. Sign Circuit Provisions.** Each outline lighting installation and each exterior electric sign shall be installed on a separate circuit.

**SEC. 107. Number of Lamps on Single Circuit Sign.** Not more than sixty (60) medium base or one hundred (100) intermediate base lamp receptacles shall be installed or connected to a single circuit in the body of a sign and not more than one hundred (100) medium base or one hundred fifty (150) intermediate base lamp receptacles shall be installed on or connected to a single circuit in the border of a sign. The minimum wattage of twenty-five (25) watts shall be figured for each medium base lamp receptacle in the body of a sign and ten (10) watts for each medium base lamp receptacle in the border of a sign. A minimum wattage of fifteen (15) watts shall be figured for each intermediate base lamp receptacle in the body of a sign and ten (10) watts for each intermediate lamp receptacle in the border of a sign.

**SEC. 108. Transformers for Single Circuit Signs.** Where transformers are installed for the illumination of gas filled tubes, not more than fifteen hundred (1500) volt-amperes shall be connected to a single circuit.

**SEC. 109. Wattage for Single Circuit.** Not more than fifteen hundred (1500) watts or fifteen hundred (1500) volt-amperes shall be installed on a single circuit in a sign or for outline lighting.

**SEC. 110. Voltage Limitations.** Incandescent lamp signs and outline lighting or transformers for the illumination of gas filled tubes in signs and outline lighting shall not be connected to any single phase ungrounded system or any system wherein the voltage to ground exceeds one hundred fifty (150) volts.

**SEC. 111. Transformers for Secondary Open Circuits.** Transformers used for the illumination of gas filled tubes shall have secondary open circuit voltages not exceeding fifteen thousand (15,000) volts, with an allowance on test of one thousand (1,000) volts additional.

**SEC. 112. Switches.** Each outline lighting installation and each exterior electric sign shall be controlled by an externally operable switch which will open all ungrounded conductors of the feeder or circuit. When not within sight of the outline lighting or the sign, the switch shall be capable of being locked in the "off" position.

**SEC. 113. Neon, Etc., Signs, Disconnect Switch Required.** Neon or gas filled luminous tube outline, or an additional electric sign, may be installed and connected to an existing sign circuit and disconnect switch supplying a sign on the exterior of the building, provided a separate disconnect switch or dead-front type of fuse block is installed at each sign location, in order to disconnect each sign or outline at its respective location.

**SEC. 114. Switches, Flashers, Etc., to Have Current Rating Transformer.** Switches, flashers and similar devices controlling gaseous tube transformers shall be either of a type approved for the purpose, or have a current rating not less than twice the current rating of the total current of the transformers connected thereto.

**SEC. 115. Switches in Signs, Etc., to Be Minimum Current Rating.** Switches installed in a sign or outline circuit or feeder and arranged to disconnect the total feeder or circuit current shall have a minimum current rating of twenty (20) amperes. Switches arranged for the operation of a control circuit of a magnetic type contactor shall have a minimum current rating of ten (10) amperes at two hundred twenty (220) volts.

**SEC. 116. Door Switches.** Permanently installed gaseous tube transformer enclosures, where installed within eight (8) feet vertical of the floor or platform, shall have the access doors equipped with door switches, unless said doors are mechanically secured in the closed position, by means of Parker type sheet metal screws.

**SEC. 117. Disconnect Switches.** Where gaseous tube transformers are installed in locations that are remote from the feeder or circuit disconnect switches, an additional externally operable type disconnect switch shall be installed adjacent to or in the transformer cabinet, to disconnect said transformers from the source of electrical supply.

**SEC. 118. Roof Sign Disconnect Switches.** On all electrically illuminated roof signs a disconnect switch shall be installed for the purpose of disconnecting the current from the sign, motor, or other control equipment on the structure. This disconnect switch shall be located within six (6) feet, six (6) inches from the roof and be placed either on the supporting structure or within easy access and view of the supporting structure.

**SEC. 119. Sign Enclosures.** With the exception of indoor portable type signs, all signs and outline lighting enclosures shall be constructed entirely of metal or other approved noncombustible material. Wood may be used for external decoration if kept at least two (2) inches from the nearest lamp holder or other current carrying part. The design shall afford ample strength and rigidity and shall provide for the enclosure of all terminals and wiring other than the supply conductors.

**SEC. 120. Gauge of Metals.** All sheet steel or iron used in the construction or installation of exterior signs or outline lighting shall be galvanized. If sheet copper is used, it shall be at least twenty (20) ounce (0.028 inch). Sheet steel shall be not less than No. 28 USS Gauge (0.156 inch) except that for gas-filled luminous tube-type signs and outline lighting troughs, boxes, and other enclosures shall be of No. 24 USS Gauge (0.250 inch), unless ribbed, corrugated or embossed over its entire surface, when it may be of No. 26 USS Gauge (0.188 inch).

**SEC. 121. Exterior Enclosures to Be Weatherproof.** Enclosures for exterior use shall be made weatherproof and shall have an ample number of drain holes, each not larger than one-half ( $\frac{1}{2}$ ) inch or smaller than one-fourth ( $\frac{1}{4}$ ) inch.

**SEC. 122. Cutouts, Flashers, Etc., to Be Enclosed in Approved Metal Box.** Cutouts, flashers and similar devices placed on or within an enclosure or on or in a building shall be enclosed in approved metal boxes, the doors of which shall be arranged so that they can be opened without removing obstructions or finished parts of the enclosure. When exposed to the weather, these boxes shall be of the weather-proof type.

**SEC. 123. Standard Cutouts, Etc., to Be in Weatherproof Enclosure.** Standard cutout bases, panelboards, flashers, switches and other similar devices shall be used when they are provided as part of the sign assembly. If on or within the body or structure of the sign, they shall be in a separate weatherproof enclosure of metal of not less than No. 28 USS Gauge.

**SEC. 124. Sign and Outline Wiring, Minimum Wattage Requirements.** Each exterior electric sign shall be wired for and contain either incandescent light globes, luminous gaseous tubes and their supply equipment, or a combination of both incandescent light globes and luminous gaseous tubes. The amount of illumination supplied by an electric sign shall be not less than one (1) lineal foot of tubing for each square foot area of the illuminated sides of the sign, but in no case, shall the wattage or volt-ampere required to supply sign illumination be less than fifteen (15) watts or fifteen (15) volt-amperes for each square foot of area of the illuminated side or sides of the sign.

**SEC. 125. Lampholders.** Lampholders for sign use shall be of the keyless porcelain or moulded composition type. Standard lampholders shall be used. Lampholders shall be so installed and of a type that will afford permanent and reliable means to prevent possible turning. Miniature type lampholders shall not be employed for outside work.

**SEC. 126. Conductors to Be Soldered, Etc., and Painted With Compound.** Conductors shall be fastened to lampholder terminals so as to be mechanically and electrically secure, and shall, in addition, be soldered. Terminals at lampholders and exposed parts of wires at the lampholder terminals shall be treated or painted with a suitable compound to prevent corrosion.

**SEC. 127. Conductors 600 Volt Circuits Shall Be Approved Rubber Covered.** The conductors for circuits within an electric sign operating at six hundred (600) volts or less, shall be approved rubber covered Type R "Flame Retarding" having an outer braid treated with flame retarding as well as moisture-proofing compound. No six hundred (600) volt conductor shall be smaller than No. 14 B. & S. Gauge.

**SEC. 128. Wireways.** Wireways within a sign enclosure shall be formed of metal not less than No. 24 USS Gauge.

**SEC. 129. Circuit Conductors to Be Identified.** Circuit conductors connected to the screw shell terminals of lampholders shall be identified by means of a white or natural gray braid. The braid of all other wires of the sign shall be of a contrasting color.

**SEC. 130. Insulated Conductors to Be Standard.** Insulated conductors for wiring above six hundred (600) volts shall be standard, suitable for the voltage involved, not smaller than No. 14 B. & S. Gauge and of the standard type. Uninsulated conductors used in signs shall be not less than No. 10 B. & S. Gauge.

**SEC. 131. High Voltage Conductors, How Supported.** The high voltage conductors shall be supported as close as practicable to the terminal connections, both at transformers and electrodes. When no support is provided at an electrode terminal, a support shall be provided within six (6) inches of the terminal or electrode connection.

**SEC. 132. High Voltage Conductors Not to Be Spliced.** Except at transformer connections, insulated high voltage conductors shall not be spliced. At transformers or electrodes, connections shall be mechanically secure. Standard connections shall be soldered before being fastened under clamps or binding screws. At gaseous tube electrodes, connections between high tension conductors and electrode leads shall be soldered or made with standard wire connectors suitable for this particular use.

**SEC. 133. No Condensers to Be Used in High Voltage Circuits.** There shall be no condensers or current interrupting devices installed in the high voltage circuit.

**SEC. 134. Electrode Receptacles to Be Approved.** Electrode receptacles shall be of a type as approved by the Underwriters' Laboratories for sign installation.

**SEC. 135. High Voltage Conductors Not in Sign, How Installed.** High voltage conductors installed for outline or sign installation and not within the sign enclosure, shall be installed in conduit or electrical metallic tubing.

**SEC. 136. Neon Signs to Be Grounded.** Isolated non-current-carrying parts of outline lighting and skeleton letter type neon signs shall be grounded in accordance with approved wiring installation methods. All permanently installed signs shall be grounded.



SEC. 137. **Capacitors.** A capacitor intended for power factor correction shall be capable of withstanding without breakdown for a period of fifteen (15) minutes, a D. C. potential of five (5) times its rated voltage.

SEC. 138. **Electric Signs, Portable.** Portable electric signs shall be approved by the Underwriters' Laboratories and shall bear a label indicating the name of the manufacturer, the voltage, current and frequency necessary for the correct operation of the sign. Portable electric signs shall be installed only within the interior of a building or structure.

SEC. 139. **Electric Signs, Portable, Secondary Voltage.** Portable electric signs having a secondary voltage in excess of seven thousand five hundred (7,500) volts shall be provided with a three-conductor cord in order that said sign shall be grounded.

SEC. 140. **Permanent Signs, Grounding of.** The metal of all permanently installed signs shall be installed in an approved manner. The grounding conductor shall be installed as specified in Section 9 of the National Electric Code and the State Safety Orders. Where flexible metallic conduit is used for gaseous luminous tube installations, approved bonded fittings, arranged to provide the continuity of the conduit ground, shall be installed. The conduit grounding conductor may be installed in the same conduit with the sign circuit or feeder conductors, provided said conductor is of the insulated type.

SEC. 141. **Electric Signs, Temporary.** The Department will permit the installation of temporary electric signs for advertising purposes provided that the sign is constructed of non-inflammable material, all wiring within eight (8) feet of the ground or platform is suitably enclosed or protected and the electric work and installation of said sign is installed by a Master Electrician or Specialty Electrician under a permit issued by the Department. Permits for temporary electric signs shall not be issued for a period exceeding thirty (30) days.

SEC. 142. **Department of Electricity to Make Rules and Regulations for Installation of Signs.** The rules and standards governing the installation of electric signs and the wiring and installation of same shall be in accordance with the requirements of this Article and all supplementary rules as issued under the authority of existing law.

SEC. 143. **Time Limit and Failure to Rectify Complaints.** The failure and neglect of any Master Electrician or Specialty Electrician to correct, obviate or remove any fault, error, or deficiency in the doing or installing of any electrical work or electrical sign or outline work not in accordance with the provisions of this Article and the rules and regulations adopted and promulgated under the authority of existing law, within ten (10) days after the receipt of a written notice from the Department describing said complaints, shall be deemed sufficient cause for the suspending or cancelling of any certificate of registration issued by the Department and held by the Master Electrician or Specialty Electrician doing said electrical work. In addition to the above, the Department shall charge a fee of One Dollar and Fifty Cents (\$1.50) for each hour or fraction thereof that the Inspector of the Department spends in inspecting electrical work or fixture work that is not corrected within the specified ten (10) day period.

SEC. 144. **Permit, Illegal Use of.** No person, firm or corporation registered as a Master Electrician or Specialty Electrician shall file an application for a permit to do so or install any electrical work in connection with the installation of electrical signs and outlines unless such person, firm or corporation has a contract to do or install the same, or intends to do or install such electrical work on his or its own behalf and for his or its own account. The Chief shall have the power to cancel any permit found by him to be contrary to the provisions of this section.

SEC. 145. **Non-Liability of City for Damages.** The provisions of this Article shall not be construed to relieve from or lessen the liability of any person, firm or corporation owning, operating or installing any electrical sign or outline work, or causing the same or any part thereof to be done, for damages to anyone injured by any defect therein, or any negligent doing or installation thereof, nor shall the city and county or any agent thereof be held liable therefor by reason of any inspection herein authorized and made by reason of the certificate of inspection and approval issued by the Department.



## ARTICLE 4

## REGULATIONS FOR ERECTION OF POLES AND ELECTRIC WIRES

- Sec. 170. Poles on streets and sidewalks, regulating the erection of.  
Sec. 171. Maintenance of poles in proximity to light poles, etc., prohibited.  
Sec. 172. Poles to be painted, etc.  
Sec. 173. Providing for filing of plans with the Department of Electricity.  
Sec. 174. Appliances in proximity to light wires, etc.

SEC. 170. **Poles on Streets and Sidewalks, Regulating the Erection of.** It shall be unlawful for any person, firm or corporation to erect or maintain any pole on the streets or sidewalks of the City and County of San Francisco, unless permission, in writing, is first given by the Director of Public Works.

SEC. 171. **Maintenance of Poles in Proximity to Light Poles, Etc., Prohibited.** It shall be unlawful to erect or maintain any pole on the streets or sidewalks of the City and County of San Francisco at a point which is situated nearer than ten (10) feet to a pole on which is supported a lamp maintained by said city and county for lighting the public streets, or any traffic signal, traffic sign or other traffic control device.

SEC. 172. **Poles to Be Painted, Etc.** It shall be unlawful for any person, firm or corporation to maintain any pole on the streets or sidewalks in the City and County of San Francisco, unless it be painted with suitable material to the satisfaction of the Department of Electricity. Such poles shall not have attached thereto any cleat, ladder or projecting appliance to assist a person in ascending said poles, which cleat, ladder or projecting appliance shall be less than seven (7) feet above the sidewalk surface.

SEC. 173. **Providing for Filing of Plans With the Department of Electricity.** It shall be unlawful to place, install, operate or maintain any electrical wires, appliances, apparatus or construction in or on the streets or sidewalks of the City and County of San Francisco, unless executed in accordance with plans and specifications previously approved in writing by the Chief of the Department of Electricity of said city and county; provided, however, that a copy of said plans and specifications as approved shall be placed on file in the office of the Department of Electricity. The permit for the placing, installing, operating or maintaining of electrical wires, appliances, apparatus or construction must be shown to the Inspector of the Department of Electricity upon request at the time and location of such construction.

SEC. 174. **Appliances in Proximity to Light Wires, Etc.** It shall be unlawful to erect, construct, operate, or maintain any appliance, scaffold, elevator, derrick, or hoist which shall be in proximity to any light, power, trolley, feeder, telephone, telegraph, or fire alarm wire, or to erect, construct, operate, or maintain any appliance, scaffold, elevator, derrick, or hoist to which shall be attached any wire, guy or appliance which shall be liable to contact with any light, power, trolley, feeder, telephone, telegraph, or fire alarm wire, in or on streets or sidewalks in said city and county, unless executed in accordance with plans and specifications previously approved in writing by the Chief of the Department of Electricity of said city and county; provided, however, that a copy of said plans and specifications as approved shall be placed on file in the office of the Department of Electricity.

## ARTICLE 5

THEATRES, MOVING PICTURE HOUSES AND PLACES OF  
PUBLIC ASSEMBLY

- Sec. 201. Projectors, permit required to install.  
Sec. 202. Motion picture projectionists, registration of.  
    (a) Registration requirements.  
    (b) Issuance of certificate.  
    (c) Renewal of registration certificates.  
    (d) Expiration of registrations.  
Sec. 203. Certificates, temporary, registration of.  
Sec. 204. Certificates, emergency, registration of.  
Sec. 205. Employment of minor prohibited.  
Sec. 206. Operation by minor prohibited.  
Sec. 207. Wiring in theatres and moving picture houses.  
Sec. 208. Emergency lighting, arrangement of—Definition.  
    (a) Emergency lighting intensities.  
    (b) Aisle lighting required.

- Sec. 209. Emergency service classes, classifications.  
Sec. 210. Emergency service classes.  
Sec. 211. Capacity of emergency service and feeders.  
Sec. 212. Emergency system in separate raceways.  
    (a) Emergency lighting, when installed in same outlet box.  
Sec. 213. Emergency feeder and panel installation.  
Sec. 214. Control of emergency lighting circuits and outlets.  
Sec. 215. Exit sign lights required.  
Sec. 216. Construction of exit light signs.  
Sec. 217. Installation requirements.  
Sec. 218. House light control from projection room.  
    (a) Installation of dimmers.  
    (b) Dimmers controlled from projection room.  
    (c) Dimmers mechanically controlled.  
    (d) No fuses, etc., allowed in projection room.  
Sec. 219. Projection room ventilating fan.  
Sec. 220. Projection room equipment wiring.  
    (a) Motor installation.  
    (b) Arc lamp installation.  
    (c) Motors, etc., separate room.  
    (d) Motor control.  
    (e) Cords in projection room.  
    (f) Lamps in projection room.  
    (g) Protective devices in projection room.  
    (h) Protective devices for feeder motors.  
Sec. 221. Switches and fuses in projection room.  
Sec. 222. Accessibility of projection room.  
Sec. 223. Dressing room switches required.  
    (a) Bracket, etc., lamps to be protected.  
    (b) Installation of bracket lamps.  
Sec. 224. Enforcement.  
Sec. 225. Right of entry.  
Sec. 226. Non-liability of city for damages.

**SEC. 201. Projectors, Permit Required to Install.** It shall be unlawful to operate or install any portable type of motion picture equipment using film other than the slow burning type (cellulose, acetate or equivalent) unless said equipment is inspected by the Department of Electricity previous to its operation and a permit to operate said machine has been issued by the Chief of the Department of Electricity.

**SEC. 202. Motion Picture Projectionists, Registration of.** It shall be unlawful for any person, firm or corporation to operate and maintain any professional type of motion picture equipment using film other than of the slow burning type, as defined in Article 35 of the National Electric Code, unless the projectionist is registered with the Department of Electricity of the City and County of San Francisco.

(a) **Registration Requirements.** Before any motion picture projectionist shall become registered he shall submit on forms furnished by the Department, sworn statements giving not less than six (6) months' experience in motion picture operation and machine maintenance.

(b) **Issuance of Certificate.** When an applicant for registration as a motion picture projectionist has supplied sworn statements giving the necessary information required in subsection (a) of this section, a Certificate of Registration as a Motion Picture Projectionist shall be issued to him by the Chief.

(c) **Renewal of Registration Certificates.** Certificates of registration issued to motion picture projectionists shall be renewed on or before the first day of each calendar year.

(d) **Expiration of Registrations.** Unless certificates of registration as a motion picture projectionist are renewed within thirty (30) days after the date of expiration of said certificate, the holder of same shall be required to pay a fee of Five (\$5.00) Dollars before a new certificate shall be issued to him. It shall be unlawful to operate or maintain any motion picture machines or equipment unless the operator is the holder of an uncanceled or unexpired certificate of registration.

**SEC. 203. Certificates, Temporary, Registration of.** The Department shall issue temporary registration certificates to competent motion picture projectionists working for or with any traveling picture exhibition, where the work of said projec-

tionist is necessary for the successful operation of the traveling motion picture equipment. Said temporary registration certificate shall not be issued for a period exceeding thirty (30) days. The applicant shall show proof of his experience and ability to operate the types of equipment specified in his application for said temporary registration certificate.

**SEC. 204. Certificates, Emergency, Registration of.** If at any time due to circumstances beyond their control, it is impossible for an employer to secure the services of a registered motion picture projectionist, said employer shall submit in writing an application for a temporary registration certificate for the temporary employment of a motion picture projectionist. If said temporary employee shall pass an examination as shall test his ability to operate and maintain motion picture machines and equipment, to the satisfaction of the Chief of the Department, the Chief shall have the power to issue a temporary registration certificate for a period not exceeding thirty (30) days.

**SEC. 205. Employment of Minor Prohibited.** It shall be unlawful for any person, firm or corporation to employ for the purpose of operating a motion picture machine in any place of public assemblage, any person who is under twenty-one (21) years of age.

**SEC. 206. Operation by Minor Prohibited.** It shall be unlawful for any person, who is under twenty-one (21) years of age, to operate any professional type motion picture machine or equipment in any place of public assemblage.

**SEC. 207. Wiring in Theatres and Moving Picture Houses.** All electrical materials, appliances, and apparatus, installed, operated or maintained in, on or about any theatre or motion picture house shall conform to the requirements of the State Safety Orders of the Industrial Accident Commission of the State of California and the National Electric Code as approved by the American Standards Association, except as such orders and requirements are modified or supplemented as provided for in Sections 201 to 226, inclusive, of this Article.

**SEC. 208. Emergency Lighting, Arrangement of—Definition.** Emergency lighting shall mean and include exit lights, aisle lights, and all lighting necessary to properly illuminate lobbies, stairways, corridors and other portions of the theatre, or other places of public assembly as herein classified, to which the public have access and which are normally kept lighted during a performance. Emergency lighting shall be arranged to assure continued illumination of the auditorium, and all exits leading therefrom in cases of emergency caused by failure of the general lighting source of energy supply.

(a) **Emergency Lighting Intensities.** There shall be provided sufficient illumination to permit all persons to safely traverse the occupied areas. The minimum average intensity of emergency illumination, except for auditoriums, shall be not less than one-fourth ( $\frac{1}{4}$ ) watt per square foot; for auditoriums, not less than a minimum of one-eighth ( $\frac{1}{8}$ ) watt per square foot of floor area shall be installed.

(b) **Aisle Lighting Required.** In theatres and motion picture houses, additional lights supplied by the emergency system shall be so placed within, or adjacent to, the main aisles as to thoroughly illuminate them.

**SEC. 209. Emergency Service Classes, Classifications.** The provisions of this section shall apply to all systems supplying emergency illumination. The classification of emergency services for occupancies described herein is as follows:

(a) Theatres, motion picture houses, opera houses, and auditoriums having a seating capacity in excess of one thousand (1,000) persons, shall be supplied by a "Class 1" emergency service;

(b) Theatres, motion picture houses, opera houses, and auditoriums having a seating capacity not in excess of one thousand (1,000) persons, shall be supplied by a "Class 1" or "Class 2" emergency service;

(c) Assembly halls, dance halls, banquet halls, skating rinks, lodge halls, churches, school auditoriums, any assembly hall used for religious services, or for the purposes of instruction, or entertainment, and having a seating capacity in excess of five hundred (500) persons, shall have "Class 1" emergency service;

(d) For the types of occupancies designated in Section 209e, and having a seating capacity not in excess of five hundred (500) persons, "Class 1" or "Class 2" emergency service shall be installed.

**SEC. 210. Emergency Service Classes.** The different classes of emergency service shall be as follows:

(a) "Class 1" shall mean the installation of emergency lighting on an individual lighting service, electrically separated from the general lighting services.

For metering purposes only, the emergency lighting feeder may be connected to the general lighting bus, provided a double throw, selective service type of automatic switch or circuit breaker is installed and so arranged that the emergency lighting feeder is automatically transferred to the emergency lighting service upon failure of the general lighting service;

(b) "Class 2" emergency service shall mean the installation of the emergency service switch on the line side of the general lighting service switch. Under no condition can the emergency lighting feeders of "Class 2" emergency services be connected to the bus bars on the load side of the general lighting meter.

**SEC. 211. Capacity of Emergency Service and Feeders.** The service, sub-service and feeder conductors supplying emergency lighting shall be installed to provide for one hundred (100%) per cent of the total electrical load connected thereto.

**SEC. 212. Emergency System in Separate Raceways.** Emergency lighting service, sub-service feeder and circuits shall not be installed in the same conduit or raceway with any conductors supplied from the general lighting system.

(a) **Emergency Lighting, When Installed in Same Outlet Box.** Emergency lighting and general lighting circuits may be installed in the same outlet box with the general lighting circuits only when said outlet supplies both emergency and general lighting.

**SEC. 213. Emergency Feeder and Panel Installation.** From the emergency service switch location the emergency feeder shall run to an approved non-fused type externally operable disconnect switch and panel-board located in the lobby or other convenient location in the front of the house. The emergency panel disconnect switch shall be installed as part of the emergency panel or may be installed adjacent thereto.

**SEC. 214. Control of Emergency Lighting Circuits and Outlets.** Lighting outlets installed on the exterior of a building for the purposes of illuminating outside stairways, fire escapes, and passageways, when there is not sufficient daylight, may be separately controlled from the emergency panel-board by a switch or by an automatic light actuated device approved for the purpose. No other switches shall be installed at any location on emergency circuits or in the circuits of an emergency panel-board, unless, as specified above, no other switch or control device shall be inserted in the wiring of an emergency system other than a switch at the main service location, the panel-board disconnect switch, or the automatic switch on the control panel for special current source.

No portion of the emergency lighting system shall be controlled from the projection room or stage location.

**SEC. 215. Exit Sign Lights Required.** At each exit in every theatre, motion picture house, auditorium, dance hall or assembly hall there shall be installed an approved type of exit sign light. Each exit sign light shall be located not more than twenty-four (24) inches above the top of the exit opening, said distance to be measured to the bottom of the exit light sign. All of the lamps in each exit light sign shall be illuminated before the public enters the building, and shall be kept illuminated until after the public has left the building.

**SEC. 216. Construction of Exit Light Signs.** Exit light signs shall be constructed of not less than No. 16 U. S. standard gauge metal and shall have a green glass front. A metal mat or face having letters cut through such mat or face shall be installed in front or back of said glass panel.

(a) Every exit sign shall show the word "Exit" thereon in plainly legible green letters not less than six (6) inches high, with the principal strokes of such letters not less than five-eighths ( $\frac{5}{8}$ ) inch in width. Electric signs indicating directions of exits need not conform to the requirements of this section.

(b) Each exit sign shall contain not less than two (2) lamp receptacles. Each receptacle shall contain a lamp of not less than fifteen (15) watts. Both lamp receptacles shall be connected to the emergency system, or one (1) lamp receptacle shall be connected to the emergency lighting circuit and the other lamp receptacle to the general lighting circuit.

**SEC. 217. Installation Requirements.** All electrical wiring shall be installed in accordance with the requirements of existing law and the supplementary electrical installation rules and orders of the Department of Electricity of the City and County of San Francisco.

**SEC. 218. House Light Control From Projection Room.** Where the general lighting for the house is controlled from the projection room an additional control arrangement shall be installed in a location in the front part of the house.

(a) **Installation of Dimmers.** Where dimmers are installed and controlled from the projection room, the dimmers shall be so installed that the operator can easily control same without leaving the projection room. No dimmer plates or reactance dimmers shall be installed in the projection room.

(b) **Dimmers Controlled From Projection Room.** Where dimmers are installed in house lighting circuits that are controlled from the projection room, the control arrangement located in the front of the house shall automatically by-pass the dimmer circuits when the control switch is actuated.

(c) **Dimmers Mechanically Controlled.** Where dimmers are mechanically controlled from the projection room, the dimmer control rods shall pass through an opening so designed that the space through which flame or smoke can pass shall be a minimum and shall not exceed twice the cross-sectional area of the rod.

(d) **No fuses, etc., Allowed in Projection Room.** No fuses or over-current protective devices for the house lighting circuits shall be installed in the projection room.

**SEC. 219. Projection Room Ventilating Fan.** Ventilating fan motors installed for the ventilating of the projection room shall be of a type that can be and shall be installed on the emergency lighting system. The control for the projection room exhaust fan shall be installed outside of the projection room, as near as possible to the entrance of the room. No switch or fuses for the projection room ventilating fan shall be installed in the projection room.

**SEC. 220. Projection Room Equipment Wiring.** Each appliance or device installed in the projection room that consumes or generates more than one thousand (1,000) watts shall be placed upon a separate circuit.

(a) **Motor Installation.** Each motor greater than one-fourth ( $\frac{1}{4}$ ) h. p. shall be connected to a separate circuit with approved overload protective devices.

(b) **Arc Lamp Installation.** Each arc lamp shall be installed upon a separate circuit and shall have the capacity of conductors and their approved overload protective devices installed for fifty (50%) per cent in excess of the normal current of the lamp.

(c) **Motors, Etc., Separate Room.** Motor generators, arc rectifiers, current rectifiers, storage batteries, filters, impedances and resistances, etc., shall be installed in a ventilated room adjoining the projection room with a self-closing door between so that the apparatus is under the immediate supervision of the operator.

(d) **Motor Control.** Motors installed either in the projection room or on the stage that are greater in size than one-fourth ( $\frac{1}{4}$ ) h. p. one hundred ten (110) volts or for any size of two hundred twenty (220) volt motor shall not be controlled by means of three-way and four-way switches carrying the motor current. Approved magnetic switches or equivalent means shall be installed to interrupt the motor current and three-way or four-way switches may be installed in the magnetic circuit.

(e) **Cords in Projection Room.** All cords installed within a projection room shall be of armored cord or reinforced cord.

(f) **Lamps in Projection Room.** All lamps in the projection room, unless installed within an enclosing globe, shall be equipped with guards.

(g) **Protective Devices in Projection Room.** The circuits and approved overload protective devices for all equipment in the projection room shall be installed in an approved dead front externally operated panel-board located in the said room. This does not apply to the individual disconnect switch mounted on the projector equipment.

(h) **Protective Devices for Feeder Motors.** Where small carbon arc feeder motors are installed and connected to arc circuit conductors, each motor shall have its approved overload protective devices.

**SEC. 221. Switches and Fuses in Projection Room.** All switches in the projection room shall be of approved enclosed, externally operated type. An approved disconnecting means shall be installed ahead of each overload protective device. Double throw switches used to connect circuits to either of two (2) sources of supply shall be so installed that the blades of the switch shall be connected in the circuit on the line side of the overload protective devices unless an additional switch is installed directly ahead of the overload protective devices on each source of supply.

SEC. 222. **Accessibility of Projection Room.** It shall be unlawful for any person, firm or corporation to keep locked during the hours in which the theatre is open to the public, the door or entrance to the projection room.

SEC. 223. **Dressing Room Switches Required.** Wall switches shall be installed for the control of all lights in dressing rooms.

(a) **Bracket, etc., Lamps to Be Protected.** All bracket or cord pendant lamps shall be protected by approved lamp guards, sealed or locked in place.

(b) **Installation of Bracket Lamps.** Where bracket lights are installed over dressing tables, one (1) convenience outlet receptacle shall be installed for every four (4) bracket lamps. The plug receptacle shall be connected to circuits that are separate from the lighting.

SEC. 224. **Enforcement.** The Department of Electricity of the City and County of San Francisco shall be responsible for the enforcement of Sections 201 to 226, inclusive, of this Article.

SEC. 225. **Right of Entry.** Upon the display of his credentials at any time the representative of the Department of Electricity shall have the right to enter any building in the discharge of his official duties, or for the purpose of making any inspection or test of the installation of electrical wiring or equipment and devices contained therein.

SEC. 226. **Non-Liability of City for Damages.** Nothing in this Article shall be construed to relieve from or lessen the liability of any person, firm or corporation owning, operating or installing any electrical work, or causing the same or any part thereof to be done for damages to anyone injured by any defect therein or any negligent doing or installation thereof, nor shall the city and county or any agent thereof be held liable therefor by reason of any inspection herein authorized and made by reason of such authority, or by reason of the certificate of inspection and approval issued by the Department.

## ARTICLE 6

### UNDERGROUND DISTRICTS

Sec. 250. Removal of poles and placing of wires, etc., in underground districts.

Sec. 251. Erection, etc., of poles or overhead wires, etc., prohibited in designated districts—Exceptions.

Sec. 256. Unlawful to maintain overhead wiring, materials and devices in an underground district.

Sec. 257. Declaring overhead conductors, materials and devices in underground districts a public nuisance.

Sec. 258. Poles, conductors, materials and devices in underground district to be removed.

Sec. 259. Removal of poles, overhead materials and devices within a specified time.

Sec. 260. Electrical service conductors to terminate in underground pull boxes, notice of installation.

Sec. 261. Installation by owner, etc., of property of electrical conduits, etc., for light, etc., from pull boxes.

Sec. 262. Installation by owner, etc., of property of electrical conduits, etc., for telephone, etc., service.

Sec. 263. Extension of conduits to pull boxes and installation of service conductors.

Sec. 264. Failure to install conduits, etc.—Removal of overhead wires, etc.

Sec. 265. Duties of the Chief of the Department of Electricity.

Sec. 266. Penalty for each day such poles and other overhead materials and devices are left standing.

Sec. 267. Temporary use of poles, overhead materials and devices in underground districts.

Sec. 268. Erection and maintenance of temporary poles, etc.

Sec. 269. Removal of temporary poles, etc.

Sec. 270. Inspection by Chief of the Department of Electricity or his representative.

Sec. 271. Exemption of trolley poles and conductors.

Sec. 272. Extension of certain conductors across underground districts.

Sec. 273. Application to all future underground districts.

SEC. 250. **Removal of Poles and Placing of Wires, Etc., in Underground Districts.** For the purpose of removing poles and placing wires underground, the City and County of San Francisco is hereby divided into districts designated as Underground Districts, which said Underground Districts are more particularly described

in Order No. 214 (Second Series) and amendments thereto as said Order and amendments appear on file in the Office of the Clerk of the Board of Supervisors and copies thereof in the office of the Department of Electricity.

SEC. 251. **Erection, Etc., of Poles or Overhead Wires, Etc., Prohibited in Designated Districts—Exceptions.** It shall be unlawful in Districts Nos. 1, 2, 3 and 4, after May 10, 1909; in District No. 5, after December 31, 1909; in District No. 6, after December 31, 1910; in District No. 7, after December 31, 1913; in District No. 8, after January 1, 1916; in District No. 9, after September 1, 1914; in District No. 10, after January 1, 1917; in District No. 10½, after January 1, 1917; in District No. 11, after the Board of Public Works and Board of Supervisors have ordered the sidewalk widths reduced in said district; in District No. 12, after September 1, 1922; in District No. 13, after January 1, 1924; in District No. 14, after August 1, 1924; in District No. 15, after March 1, 1925; in District No. 16, after July 1, 1926; in District No. 17, after July 1, 1926; in District No. 18, after July 1, 1927; in District No. 19, after January 1, 1927; in District No. 20, after December 31, 1927; in District No. 21, after February 1, 1928; in District No. 22, after January 1, 1928; in District No. 23, after January 1, 1928; in District No. 24, after April 1, 1928; in District No. 25, after September 30, 1928; in District No. 26, after October 1, 1928; in District No. 27, after July 1, 1928; in District No. 28, after October 1, 1928; in District No. 29, after February 1, 1929; in District No. 30, after February 1, 1929; in District No. 31, after February 1, 1929; in District No. 32, after June 30, 1929; in District No. 33, after June 30, 1929; in District No. 34, after July 1, 1929; in District No. 35, after July 1, 1929; in District No. 36, after July 1, 1929; in District No. 37, after July 1, 1929; in District No. 38, after October 1, 1929; in District No. 39, after October 1, 1929; in District No. 40, after October 1, 1929; in District No. 41, after October 1, 1929; in District No. 42, after January 1, 1930; in District No. 43, after March 1, 1930; in District No. 44, after July 1, 1930; in District No. 45, after July 1, 1930; in District No. 46, after July 31, 1930; in District No. 47, after September 1, 1930; in District No. 48, after July 6, 1930; in District No. 49, after January 1, 1931; in District No. 50, after January 1, 1931; in District No. 51, after January 1, 1931; in District No. 52, after January 1, 1931; in District No. 53, after March 1, 1931; in District No. 54, after March 1, 1931; in District No. 55, after March 1, 1931; in District No. 56, after March 1, 1931; in District No. 57, after September 1, 1931; in District No. 58, after April 1, 1931; in District No. 59, after July 1, 1931; in District No. 60, after October 1, 1931; in District No. 61, after January 1, 1932; in District No. 62, after January 1, 1932; in District No. 63, after January 1, 1932; in District No. 64, after July 1, 1932; in District No. 65, after December 1, 1932; in District No. 66, after December 1, 1932; in District No. 67, after December 1, 1933; in District No. 68, after December 1, 1933; in District No. 69, after December 1, 1933; in District No. 70, after December 1, 1933; in District No. 71, after September 30, 1934; in District No. 72, after February 1, 1935; in District No. 73, after January 1, 1936; in District No. 74, after August 1, 1936; in District No. 75, after March 1, 1936; in District No. 76, after March 1, 1936; in District No. 77, after August 1, 1936; in District No. 78, after Folsom street between First and Tenth streets is improved by widening; in District No. 79, after Sixth street between Folsom street and Bryant street, is improved by widening; in District No. 80, after the permanent improvement by physical widening of Lombard street between Van Ness avenue and Lyon street to 100 feet; in Districts Nos. 81, 82, 83, 84, 85 and 86, after April 26, 1937; in District No. 87, after May 24, 1937; in Districts Nos. 88 and 89, after July 19, 1937; in District No. 90, after August 1, 1937; in District No. 91, after November 1, 1937; in District No. 92, after September 7, 1938; in District No. 93, after December 5, 1938; in District No. 94, after January 16, 1939; in District No. 95, after March 20, 1939; in District No. 96, after March 20, 1939; in District No. 97, after April 9, 1939; in District No. 98, after April 24, 1939; in District No. 99, after September 20, 1939; in District No. 100, after December 6, 1939; in District No. 101, after December 6, 1939; in District No. 102, after January 30, 1940; in District No. 103, after March 19, 1940; in District No. 104, after June 25, 1940; in District No. 105, (*Not passed by Board*); in District No. 106, after September 16, 1940; in District No. 107, after September 3, 1940; in District No. 108, after October 28, 1940; in District No. 109, after November 14, 1940; in District No. 110, after December 26, 1940; in district No. 111, after August 18, 1941; in District No. 112, after November 9, 1945; in District No. 113, after November 9, 1945; in District No. 114, after November 9, 1945; in District No. 115, after April 17, 1946; in District No. 119, after November 13, 1946; for any electric light, electric power, telegraph, telephone or other electric companies, or any corporation, partnership or individual to erect, maintain, continue, use, operate, or



employ any pole or overhead wire, overhead cable or device on poles, over or upon the streets in said respective districts, by, through, over, or by means of which electricity is, has been or may be in any manner transmitted, conducted, or conveyed for the purpose of electric light, heat, power, telegraph, telephone, or other electrical service, or to keep, continue, maintain, use, operate or employ any such pole or any such overhead wire, cable, device or apparatus, except as in this Article provided, and all such poles, and all such overhead wires, cables, devices and apparatus as aforesaid, shall at and after the time specified aforesaid be deemed and become public nuisances except such as are in this Article exempted from the provisions of this Article, and it shall be unlawful after the respective times aforesaid for any district telegraph, messenger service company, or any corporation, co-partnership or individual to erect or maintain any overhead wires connected from building to building, or otherwise, and not on poles, except such as are in this Article exempted from the provisions of this Article.

**SEC. 256. Unlawful to Maintain Overhead Wiring, Materials and Devices in an Underground District.** It shall be unlawful for any person, firm, partnership, corporation or public utility to erect, maintain, extend or operate any pole or structure used for the support of overhead electrical conductors, electrical materials and devices, overhead cables or conductors, by, through, over or upon the streets of any designated underground district where electrical energy may be or has been transmitted or used for the purpose of electrical lighting, heat, power, telephone, telegraph, or any other type of electrical transmission or distribution.

**SEC. 257. Declaring Overhead Conductors, Materials and Devices in Underground Districts a Public Nuisance.** On and after the date that the Board of Supervisors of the City and County of San Francisco officially declares a designated underground district, all overhead cables, conductors, materials, devices, poles or overhead structures used for the support of electrical conductors, materials and devices on, by, over, through or upon the streets of said designated district shall be deemed and become public nuisances, except such as are in Sections 256 to 273, inclusive, of this Article exempted from the provisions of Sections 256 to 273, inclusive, of this Article. It shall be unlawful after the respective times aforesaid for any person, firm, partnership, corporation or public utility to erect, maintain or extend any overhead conductors from building to building, or otherwise, and not on poles, except such as are in Sections 256 to 273, inclusive, of this Article exempted from the provisions of Sections 256 to 273, inclusive, of this Article.

**SEC. 258. Poles, Conductors, Materials and Devices in Underground District to Be Removed.** Every person, firm, partnership, corporation or public utility that owns, uses, maintains or operates any pole or structure used for the support of electrical materials or devices, overhead conductors, cables, materials or devices on, by, over, through or upon the streets of the City and County of San Francisco where electrical energy has been or may be transmitted or used for the purpose of electrical lighting, heating, power, telephone, telegraph, or any other type of electrical distribution or service, shall remove the aforesaid materials and devices from such of those streets which have been or shall be designated by the Board of Supervisors of the City and County of San Francisco as being within an underground district, provided that said persons, firms, partnerships, corporations or public utilities owning, maintaining, extending, using, or operating such poles, overhead wiring supporting structures, overhead cables and devices, shall not be required to remove said poles, structures, materials and devices for more than two and one-half ( $2\frac{1}{2}$ ) lineal miles of said streets in any one calendar year after the date of passage of this ordinance.

**SEC. 259. Removal of Poles, Overhead Materials and Devices Within a Specified Time.** Each and every pole, overhead wiring structure, cable and device described in Sections 256, 257 and 258 of this Article, excepting such as are in this ordinance exempted, in said City and County, owned, controlled, operated or used by said person, firm, partnership, corporation or public utility for any of the aforesaid purposes, shall be taken down and removed before the time specified by the Board of Supervisors of the City and County of San Francisco at the time a respective underground district is designated. The removal and taking down of said equipment and materials shall be by and at the cost of the person, firm, partnership, corporation or public utility so owning, controlling, operating or using same.

**SEC. 260. Electrical Service Conductors to Terminate in Underground Pull Boxes, Notice of Installation.** In any district that the Board of Supervisors of the City and County of San Francisco may now or hereafter designate as an additional



underground district, the person, firm, corporation or utility supplying the electrical service for electric lighting, heat, power, telephone, telegraph, or any other type of electrical service, and hereinafter called the Serving Company, shall terminate its electrical service conductors in an underground pull box adjacent to or at the property line of the building or structure being served, provided that, in the event the Serving Company elects to serve a building or structure from some other location than adjacent to or at the property line of the building or structure, in any other approved manner, the provisions of this section and of Section 263 of this Article shall not be applicable. The Serving Company shall give to the person, firm, or corporation owning, operating, leasing or renting such building or structure, notice of the date when such pull box will be installed.

**SEC. 261. Installation by Owner, Etc., of Property of Electrical Conduits, Etc., for Light, Etc., From Pull Boxes.** The electrical conduits and conductors for light, heat and power, between the underground pull box and the main service switches in the building or structure being served, shall be installed by the person, firm, or corporation owning, operating, leasing or renting said property, within thirty days after the date specified in such notice as the date when such pull box will be installed.

**SEC. 262. Installation by Owner, Etc., of Property of Electrical Conduits, Etc., for Telephone, Etc., Service.** The electrical conduits for telephone and telegraph service shall be installed between the property line and the terminal location in the building by the person, firm or corporation owning, operating, leasing or renting said building.

**SEC. 263. Extension of Conduits to Pull Boxes and Installation of Service Conductors.** The Serving Company for telephone or telegraph service shall extend said conduit to their respective underground pull box or manhole and shall install the service conductors in said conduit.

**SEC. 264. Failure to Install Conduits, Etc.—Removal of Overhead Wires, Etc.** In the event of failure on the part of the person, firm or corporation owning, operating, leasing or renting such building or structure to install such conduits and service conductors within thirty (30) days after the installation of the underground pull box so as to permit the removal of the overhead wires and conductors by the Serving Company, the Department shall order the disconnection and removal of any and all overhead electrical service wires or conductors supplying electrical service to such building or structure.

**SEC. 265. Duties of the Chief of the Department of Electricity.** The Chief of the Department of Electricity shall be responsible for the enforcement of Sections 256 to 273, inclusive, of this Article in any district that is now or may hereafter be designated as an underground district by the Board of Supervisors of the City and County of San Francisco.

The Chief of the Department of Electricity, after the time specified in Section 254, shall have the authority to order the removal, taking down, and carrying away any and all such poles, overhead wiring structures, overhead wires, materials and devices aforesaid, as may not have been previously removed by the owners or operators thereof, as required by the provisions of Sections 256 to 273, inclusive, of this Article. The Chief of the Department of Electricity is hereby given authority to use and employ whatever labor, materials and devices as may be necessary to effectually carry out the provisions of Sections 256 to 273 inclusive, of this Article. The total cost of the labor, materials and devices necessary for the taking down and removal of the aforesaid overhead materials and devices shall be paid by the person, firm, partnership, corporation or public utility owning, controlling or operating the aforesaid overhead poles, structures, materials and devices.

**SEC. 266. Penalty for Each Day Such Poles and Other Overhead Materials and Devices Are Left Standing.** Any person, firm, partnership, corporation or public utility who shall erect or construct, place, maintain, extend or operate in any manner whatever, any pole or structure used for the support of overhead electrical materials or devices, overhead conductors, cables, materials and devices on, by, over, through or upon the streets of the City and County of San Francisco where electrical energy has been or may be transmitted or used for the purpose of electrical lighting, heating, power, telephone, telegraph, or any other type of electrical service or transmission, except such as are in Sections 256 to 273, inclusive, of this Article exempted, after the time specified aforesaid for each of the designated underground districts, or who shall neglect to take down and remove the aforesaid overhead materials and devices, shall be guilty of a misdemeanor, and upon conviction, shall be fined not less than Fifty (\$50.00) Dollars or more than

Two Hundred (\$200.00) Dollars for every day such poles and other aforesaid overhead equipment and devices are left standing.

SEC. 267. **Temporary Use of Poles, Overhead Materials and Devices in Underground Districts.** In cases requiring the temporary use of overhead poles, structures, electrical materials and devices for the purposes of reporting conventions, meetings or other important public gatherings, or in cases of emergency, permits may be granted by the Chief of the Department of Electricity for the erection of overhead conductors and their supporting materials and devices for a period not exceeding sixty (60) days in each case.

SEC. 268. **Erection and Maintenance of Temporary Poles, Etc.** Temporary poles, overhead conductors and electrical materials and devices shall be erected and maintained by the person, firm, partnership, corporation or public utility to whom the temporary permit has been issued, and shall be erected and maintained in conformity with the rules and regulations of the Department of Electricity of the City and County of San Francisco and General Order No. 64A of the California Railroad Commission.

SEC. 269. **Removal of Temporary Poles, Etc.** After the expiration of a temporary permit, as specified in Section 267 of this Article, and the emergency or special condition no longer exists, the person, firm, partnership, corporation or public utility shall remove all poles and other overhead materials and devices from said underground district. Failure to comply with the provisions of this section shall result in the same penalties as are specified in Section 266 of this Article.

SEC. 270. **Inspection by Chief of the Department of Electricity or His Representative.** The Chief of the Department of Electricity is hereby charged with the duty of inspection and enforcement of all ordinances, rules and regulations relative to the installation of electrical conductors, materials and devices used for the transmission of electrical energy for light, heat, power, telephone, telegraph, or any other service or distribution in and upon the streets and over and upon buildings or structures in the City and County of San Francisco.

SEC. 271. **Exemption of Trolley Poles and Conductors.** Electric railways are expressly exempted from the provisions of Sections 256 to 273, inclusive, of this Article in so far as it affects the trolley poles and trolley wires used exclusively for the transmission of electrical power for railway purposes. The feeders or electrical service conductors for the trolley conductors shall conform to the provisions of Sections 256 to 273, inclusive, of this Article.

SEC. 272. **Extension of Certain Conductors Across Underground Districts.** Conductors of continuous lead crossing designated underground districts or parts thereof not further than to the extent of the width of a single street are hereby exempted from the provisions of Sections 256 to 273, inclusive, of this Article.

SEC. 273. **Application to All Future Underground Districts.** In the event that the Board of Supervisors of the City and County of San Francisco shall declare any additional underground district, the provisions as specified in Sections 256 to 273, inclusive, of this Article shall govern all overhead electrical conductors, poles, conductor or material supporting structures, and overhead materials and devices used for the transmission of electrical energy for lighting, heating, power, telephone, telegraph, or any other type of electrical service or distribution in and upon the streets and over and upon buildings or structures in the City and County of San Francisco.

#### ARTICLE 7

##### MISCELLANEOUS PROVISIONS

Sec. 300. Installation of wires used to carry more than 600 volts of electricity, regulating.

Sec. 301. Temporary permits—Exception.

Sec. 306. Fees for installations connected with fire and police telegraph, etc., systems.

Sec. 307. Cost of installation in certain cases.

Sec. 308. Removal for failure to pay fees.

Sec. 309. Deposit of moneys.

Sec. 310. Certificate of registration.

Sec. 311. No installation, etc., by unregistered person.

Sec. 312. Installation and ownership of material, etc.

Sec. 313. Individual liability—Non-liability of city and county.

Sec. 314. Exceptions.

Sec. 320. Selection of a site for the fire alarm and police telegraph station.

- Sec. 321. Control by the Chief of the Department of Electricity.  
 Sec. 325. Billboard illumination.  
 Sec. 330. Use of electrical devices—Radio signal interference.  
 Sec. 331. Definition of person.  
 Sec. 332. Exemptions.  
 Sec. 333. Department of Electricity to enforce.  
 Sec. 334. Notice to owner—Action of department—Right of entry.  
 Sec. 335. Authority of department.  
 Sec. 336. Service of notices.  
 Sec. 337. Penalty.

**SEC. 300. Installation of Wires Used to Carry More Than 600 Volts of Electricity, Regulating.** It shall be unlawful for any person, firm or corporation to hereafter erect, maintain or install over, into or upon any building or other structure within the City and County of San Francisco any cable, wire or other conductor used to carry electric current of more than six hundred (600) volt pressure except as provided in Section 301 of this Article.

**SEC. 301. Temporary Permits—Exception.** The Chief of the Department of Electricity, or his authorized agent, upon proper application being made, may, in emergency cases, issue a temporary permit not to exceed thirty (30) days, to erect, use and maintain overhead cable, wire or other conductors as prohibited in Section 300 of this Article. It is further provided that the provisions of Section 300 of this Article shall not apply to power stations or other buildings used to supply electric current.

**SEC. 306. Fees for Installations Connected with Fire and Police Telegraph, Etc., Systems.** Every corporation, co-partnership or individual placing, installing, or causing to be placed or installed, electric wires, appliances, apparatus, construction or equipment in, on or about any building in the City and County of San Francisco, in connection with either or both of the Fire or Police Telegraph and Telephone Signal Systems, shall pay to the Department of Electricity for such installation, construction, equipment or connection, and the maintenance thereof, the following fees, viz.:

- (a) For each installation or connection, and the construction and equipment thereof, to either or both of the Fire or Police Telegraph and Telephone Signal Systems, the actual cost thereof to the Department of Electricity, but not less than .....\$5.00  
 (b) For the maintenance and use of each electrically connected installation, construction or equipment, per month.....\$1.00  
 (c) For the maintenance and use of each additional part of such electrically connected installation or construction, per month.....\$ .50

Provided, however, that the charge for said installation, construction, equipment or connection shall be due and payable at the office of the Department of Electricity upon the completion of said installation, construction, equipment or connection, and the charge for the maintenance or use for each of such installations or connections, and additional parts thereof, shall be due and payable on the first of each and every calendar month.

**SEC. 307. Cost of Installation in Certain Cases.** In case the fees provided to be charged in Section 306 of this Article shall be less than the cost of making the necessary installation, then the entire cost of materials and labor used in making such installation shall be paid by the person, firm or corporation in whose behalf the work is performed. All material so furnished or installed to be and remain the property of the City and County of San Francisco.

**SEC. 308. Removal for Failure to Pay Fees.** Upon the failure or refusal of any corporation, co-partnership or individual to pay at the times specified herein, to the Department of Electricity, the charges as fixed herein, the Chief of the Department of Electricity shall, and he is hereby authorized to disconnect and remove the installation or connection and the construction and equipment thereof, of the corporation, co-partnership or individual who shall have so failed or refused to pay said charges.

**SEC. 309. Deposit of Moneys.** It shall be the duty of the Chief of the Department of Electricity to deposit all moneys received under this Article into the Treasury of the City and County of San Francisco.

**SEC. 310. Certificate of Registration.** Every corporation, co-partnership or individual placing, installing, operating or causing to be placed or installed, or using electric wires, appliances, apparatus, construction or equipment connected with the Fire or Police Telegraph and Telephone Signal Systems of the Department of

Electricity, shall appear in person or by duly authorized representative, at the office of the Department of Electricity and shall there register his name and address in said city and county, which act, upon being sworn, shall entitle him to a Certificate of Registration, which shall be his authority for being connected with said Fire or Police Telegraph and Telephone Signal Systems, provided, however, that no Certificate of Registration shall be granted for a period of more than one (1) fiscal year or the unexpired portion thereof.

**SEC. 311. No installation, Etc., by Unregistered Person.** It shall be unlawful for any corporation, co-partnership or individual to place, install, operate or cause to be placed, installed or operated, any electric wires, appliances, apparatus, construction or equipment in, on or about any building of the City and County of San Francisco, having connection or being connected with the Fire or Police Telegraph and Telephone Signal Systems, without first obtaining a Certificate of Registration from the Department of Electricity, as provided herein, and said Certificate of Registration must be renewed within thirty (30) days after the first day of July of each fiscal year.

**SEC. 312. Installation and Ownership of Material, Etc.** All material furnished and all work done in construction, reconstruction and repairs of all installations and connections, as aforesaid, made under the provisions of this Article, shall be by the Department of Electricity, and said material, construction and equipment shall be and remain at all times the property of said city and county.

**SEC. 313. Individual Liability—Non-Liability of City and County.** Nothing in this Article shall be construed to relieve from or lessen the responsibility of any person being connected as aforesaid, for damages to any property or to anyone injured by any defect therein; nor shall the city and county be held as assuming any such liability by reason of said Certificate of Registration issued by the Department of Electricity.

**SEC. 314. Exceptions.** The charge of installation, maintenance and use of such installation, and each additional part of such installation, shall not apply to the members of the San Francisco Fire Department, the employees of the Department of Electricity, the Fire Marshal, the Underwriters' Fire Patrol and Inspection Bureau, the offices of the Pacific States Telephone and Telegraph Company, and the headquarters of the Veteran Volunteer Firemen's Association.

**SEC. 320. Selection of a Site for the Fire Alarm and Police Telegraph Station.** There is hereby selected and set aside in that certain square or park known as Jefferson Square, bounded on the north by Eddy street, on the south by Golden Gate avenue, on the east by Gough street, and on the west by Laguna street, upon which may be erected by competent authority a central station for the Fire Alarm and Police Telegraph and Telephone Systems the lot, piece or parcel of land more particularly described as follows, to-wit:

Commencing at a point on the southerly line of Turk street, distant thereon three hundred twelve (312) feet and six (6) inches easterly from the easterly line of Laguna street; running thence at right angles southerly one hundred (100) feet; thence at right angles easterly one hundred (100) feet; thence at right angles northerly one hundred (100) feet to the said southerly line of Turk street, and thence at right angles westerly along said southerly line of Turk street one hundred (100) feet to the point of commencement.

**SEC. 321. Control by the Chief of the Department of Electricity.** Said station, when erected, to be under the control and management of the Chief of the Department of Electricity, and said Chief of the Department of Electricity shall have power and authority, when said station is erected, to maintain across said square or park the necessary conduits, wires and lines leading to said stations.

**SEC. 325. Billboard Illumination.** Bill or bulletin boards not exceeding ten (10) feet in height along public streets and thoroughfares may be illuminated by electricity by means of lamps in pressed steel reflectors located not more than three (3) feet from the bulletin board and not less than ten (10) feet in height from the sidewalk.

When permission of the Central Permit Bureau, with the approval of the City Planning Commission and Bureau of Building Inspection, is granted to erect a bill or bulletin board of greater height than ten (10) feet, then an additional permit may be granted for the same, provided that reflectors shall not extend over the sidewalk more than four (4) feet.

All ordinances of the Board of Supervisors and rules of the Department of Electricity must be followed.

**SEC. 330. Use of Electrical Devices—Radio Signal Interference.** It shall be unlawful for any person to operate or maintain, or to cause or permit to be operated or maintained within the City and County of San Francisco, any electrical device, appliance or equipment which causes, generates or produces high frequency electrical oscillations, or other electrical disturbances which interfere with the reception of radio signals.

**SEC. 331. Definition of Person.** The word "person" as used herein shall mean any person, firm, corporation, association or individual.

**SEC. 332. Exemptions.** The provisions of Sections 330 to 336, inclusive, of this Article shall not apply:

(a) To any radio transmitting station licensed by the Government of the United States.

(b) To public utilities, lines and equipment owned and/or operated by them in and for general public service.

(c) To lines and equipment owned and/or operated by the Department of Electricity of the City and County of San Francisco.

**SEC. 333. Department of Electricity to Enforce.** The Department of Electricity of the City and County of San Francisco, hereinafter called "The Department" is hereby empowered to enforce the provisions of Sections 330 to 336, inclusive, of this Article. It shall be the duty of the Chief of the Department, as soon as practical after the 14th day of September, 1938, to adopt rules and regulations to carry out and enforce the purposes and intent of Sections 330 to 336, inclusive, of this Article and by said rules to provide the manner for the inspection, examination and abatement of any electrical device, appliance or equipment mentioned in Section 330 of this Article when the same interferes with the reception of radio signals; which said rules and regulations shall be in furtherance of the provisions of Sections 330 to 336, inclusive, of this Article and not in conflict therewith. Before adopting said rules and regulations the Chief of the Department shall hold a hearing or hearings as to the kind and character of the rules to be adopted and notice of the time and place of said hearing shall be given by one publication of the said notice in the official newspaper of the City and County of San Francisco, and any person interested shall be given the opportunity to be heard at said meeting. The Chief of the Department shall have power to continue any such hearing from time to time without further notice, save and except the announcement of said continuance at said hearing. Upon the adoption of said rules a copy thereof shall remain on file in the said Department and shall be effective within five (5) days after the date of the filing thereof.

**SEC. 334. Notice to Owner—Action of Department—Right of Entry.** When any electrical device, appliance or equipment which causes, generates or produces high frequency electrical oscillations or other electrical disturbances which interfere with the reception of radio signals is found to exist, the Department shall give notice, in writing, to the person owning, operating or maintaining said device, appliance or equipment, notifying the said person owning, operating or maintaining said device, appliance or equipment to remedy and eliminate the cause of said interference, and should the said person fail to discontinue the operation of said device, appliance or equipment at the expiration of five (5) days he shall be guilty of a misdemeanor. When any person owning, operating or maintaining any such device, appliance or equipment shall fail to remedy such defect or cause of said interference within a period of five (5) days after the giving of said notice, the Department may take the necessary steps to eliminate said interfering conditions.

In cases of interference to police and fire department radio equipment, the Department may require the immediate discontinuance of the operation of the device, appliance or equipment causing such interference and any person thereafter operating or maintaining, or permitting the operation or maintenance of, said interfering device, appliance or equipment without the permission of the Chief of the Department shall be guilty of a misdemeanor. Whenever the Department shall have reason to believe that any electrical device, appliance or equipment is causing interference with the reception of radio signals, the Chief of the Department or his subordinates shall have the right to enter upon the premises wherein such device, appliance or equipment is operated or maintained for the purpose of inspecting the same, as well as for the purpose of abating or discontinuing the operation of such device, appliance or equipment.

**SEC. 335. Authority of Department.** The Department shall have the power and authority to discontinue electrical power and lighting service to any electrical

device, appliance or equipment which causes, generates or produces high frequency electrical oscillations, or other electrical disturbances which interfere with reception of radio signals.

**SEC. 336. Service of Notices.** Any notice to be given by the Department or any other official of the City and County of San Francisco to enforce the provisions of Sections 330 to 336, inclusive, of this Article may be given by notice in writing delivered personally to the owner, operator or person in charge of any electrical device, appliance or equipment which causes, or may cause, interference with the reception of radio signals; or said notice may be posted in a conspicuous place upon the building in which said electrical device, appliance or equipment is housed or maintained; or notice may be mailed to the owner of said premises or to the person in charge thereof or operating or maintaining said device, appliance or equipment, said mail to be sent by registered United States mail with proper postage prepaid thereon; and said notice shall be deemed to be complete when posted on said premises or deposited in the United States Post Office in San Francisco with the proper postage prepaid thereon.

**SEC. 337. Penalty.** Any person operating or maintaining, or causing or permitting to be operated or maintained any interfering device, appliance or equipment contrary to the provisions of Sections 330 to 336, inclusive, of this Article, as well as any person who interferes with the inspection by the Department of any such device, appliance or equipment shall be guilty of a misdemeanor and upon conviction thereof shall be punished by a fine not to exceed Two Hundred Fifty (\$250.00) Dollars, or imprisonment in the County Jail for not more than six (6) months, or by both such fine and imprisonment.



PRINTED BY  
PERNAU-WALSH PRINTING CO.  
785 MARKET STREET  
SAN FRANCISCO



12709<sup>SS</sup> • 1









